NOTEWORTHY GRASSES FROM MEXICO V[1]

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This is an annotated list of the grasses which have been reported for Mexico. Much work remains to be done before a final draft, that can remain reasonably stable, appears. However, it is felt that a complete list at this time will be a useful tool for range managers and ecologists working with the Mexican flora.

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ACROCERAS Stapf Paniceae
5 - 6 species, both hemispheres, subtropical.
1. *A. oryzoides* (Swartz)Stapf
(*Panicum zizanioides* HBK)
Pantropical, probably native.
Southern Mexico: Veracruz, Oaxaca, Chiapas, Tabasco, Campeche.

AEGILOPS L. Hordeae
20 - 30 species, circum-Mediterranean.
2. *A. cylindrica* Host.
Introduced.
Northern Mexico: Reported only for Chihuahua where cultivated.

AEGOPOGON Humb. & Bonpl. Chlorideae
3 species, New World.
3. *A. cenchroides* Humb. & Bonpl. var. *cenchroides*
Mexico to Columbia and Venezuela, native.
Common from Chihuahua to Chiapas.
3a. *A. cenchroides* var *breviculmis* (Scribn.)Beetle
Same distribution as the species but less common, native.
4. *A. tenellus* (DC)Trin. var. *tenellus*
Arizona to Guatemala, native.
Common from Baja Norte and Chihuahua south to Chiapas.
4a. *A. tenellus* var. *abortivus* (Fourn.)Beetle
Northern range of the species but less common, native.

AGROPYRON Gaertn. Hordeae
50 - 60 species, both hemispheres, temperate.
5. *A. arizonicum* Scribn. & Smith
(*A. spicatum* (Pursh)Scribn. var *arizonicum* (Scribn. & Smith)Jones
Northern Mexico and adjacent United States, native.
Mountains: Sonora, Chihuahua, Coahuila, Nuevo Leon, Zacatecas and San Luis Potosi.
6. *A. repens* (L.)Beauv.
Introduced.
Northern Mexico and the central highlands: Baja Norte, Chihuahua, Durango, Hidalgo, Mexico, Tlaxcala, Puebla.
7. *A. trachycaulum*(Link)Malte
Boreal North America south in the mountains to Mexico, native.
Mountains: Baja Norte, Chihuahua, Coahuila, Nuevo Leon, Tamaulipas Hidalgo and Puebla.

Note: Valdes, Jesus, et al., 1975, have reported *Agropyron cristatum* (L.)Gaertn., *A. elongatum*(Host)Beauv., *A. intermedium*(Host)Beauv., *A. smithii* Rydb., and *A. trichophorum*(Link)Richt. under cultivation in the state of Chihuahua.

AGROSTIS L. Agrostideae
150 species, New World and Old World, both hemispheres, temperate.

8. A. alba L.
(Incl. Mexican references to A. virletii Fourn. & A. gigantea Roth).
Introduced.
Mesic sites: Baja Norte, Durango, San Luis Potosi, Michoacan, Mexico and Tlaxcala.
9. A. berlandieri Fourn.
Mexico, endemic.
Known only from the vicinity of the type locality (Totoniho) in the State of Mexico.
10. A. blasdalei Hitchc.
California and Mexico, native.
Coastal dunes: Baja Norte.
11. A. borealis Hartm.
(including Mexican references to A. pickeringii Tuckerman)
Circumboreal, south in the mountains to Mexico, native.
Mountains: Puebla.
12. A. bourgaei Fourn.
Either an introduced variation of A. alba or an endemic.
Mountains: Hidalgo, Mexico, and Tlaxcala.
13. A. diegoensis Vasey
Western United States south to Baja Norte, Mexico.
Coast range: Baja Norte.
14. A. durangensis Mez
Mexico, endemic.
Wet places: Durango (type loc.) and Distr. Federal.
15. A. elliottiana Schultes
Maryland to Illinois south to Georgia and Texas; Mexico, native.
Waste Places: reported only for Yucatan.
16. A. exarata Trin.
Alaska and western North America south to Mexico.
Moist places: Baja Norte, Chihuahua, Coahuila, Durango and Mexico.
17. A. ghiesbreghtii Fourn.
Mexico, endemic.
Central Mountains: Hidalgo, Mexico, Morelos, Guerrero, Oaxaca and Pico de Orizaba.
18. A. hiemalis (Walt.)B.S.P.
Newfoundland to Alaska and south in the mountains to central Mexico.
Mountains: Chihuahua, Coahuila, Durango, Michoacan, Mexico, Puebla.
19. A. liebmannii (Fourn.)Hitchc.
Mexico, endemic.
Type loc: Chinantla, Veracruz.
20. A. microphylla Steud.
California and Mexico, native.
Coastal: Baja Norte.
21. A. palustris Huds.
Introduced.
Marshes: Baja Norte.
22. A. perennans (Walt.)Tuckerman
(including Mexican reports of A. decumbens Link, A. schiedeana Trin., A. chinantla Fourn. and A. fasciculata (HBK) R.&S.)

22. A. perennans (Walt.)Tuckerman (continued)
    Quebec to Minnesota, and south to Florida and Guatemala.
    Mountains: Durango, San Luis Potosi, Jalisco, Hidalgo, Mexico, Tlaxcala, Puebla, Veracruz, Oaxaca, and Chiapas.
23. A. rosei Scribn. & Merr.
    Mexico, endemic.
    Mountains: Durango, Zacatecas, and Mexico.
24. A. scabra Willd.
    Newfoundland to Alaska south to Mexico.
    Mountains: Baja Norte, Chihuahua, Coahuila, Durango,Sinaloa, San Luis Potosi, Queretaro, Mexico and Morelos.
25. A. schaffneri Fourn.
    Mexico, endemic.
    Mountains: Queretaro, Jalisco, Mexico, Tlaxcala, Puebla, Chiapas.
26. A. semiverticillata (Forsk.) Christ.
    Introduced.
    Wet places, common throughout Mexico, except only the Yucatan Peninsula.
27. A. stolonifera L.
    Introduced.
    Wet places: reported by Ivan Johnson (1943) for Coahuila.
28. A. subrepens (Hitchc.) Hitchc.
    Mexico and Venezuela, native.
    Wet places: Chihuahua.
29. A. tacubayensis Fourn.
    Mexico, endemic.
    Mountains: Michoacan and State of Mexico.
30. A. thyrsigera Mez
    Mexico, endemic.
    Mountains: Hidalgo, Mexico, and Veracruz.
31. A. tolucensis HBK
    Mexico: south to Chile.
    Mountains: Jalisco, Michoacan, Mexico, Tlaxcala, Guerrero, and Pico de Orizaba.
32. A. vinosa Swallen
    Mexico and Guatemala, native.
    Mountains: Jalisco, Mexico, Hidalgo, Tlaxcala.
33. A. virescens HBK
    Mexico, endemic.
    Mountains: Jalisco, Michoacan, Mexico, Tlaxcala and Pico de Orizaba

ALLOLEPIS Soderstrom and Decker Eragrosteae
    One species, North America.
34. A. texana (Vasey) Soderstrom and Decker
    Texas and Mexico, native.
    Salt flats: Chihuahua, Coahuila, Tamaulipas and Durango.

ALOPECURUS L. Agrostideae
    20 - 30 species, Temperate regions.
35. A. geniculatus L.
    Northern hemisphere, temperate, native.
    Wet places: at its southern extreme reported from Chihuahua.

ANDROPOGON L. Andropogoneae
About 100 species, temperate to subtropical, worldwide.

36. *A.* (*Anatherum*) *bicornis* L.
Southern Mexico to Argentina, native.
Pine savanna or brush: Nayarit, Hidalgo, Puebla, Oaxaca, Veracruz, Chiapas, Tabasco and Campeche.

37. *A.* (*Anatherum*) *bourgaei* Hack.
(including *A.* *glaucescens* Fourn.)
Mexico, endemic.
Stream draws: Veracruz (type loc. Rio Blanco), Oaxaca, and Chiapas.

38. *A.* (*Schizachyrium*) *brevifolius* (Sw.) Nees
Tropical and subtropical regions of world, described from "Jamaica", native?
Pine savanna: Sonora, Baja Sur, Sinaloa, Nayarit, Zacatecas, Jalisco, Colima, Michoacan, Mexico, Morelos, Guerrero, Veracruz, Oaxaca, Chiapas.

39. *A.* (*Schizachyrium*) *cirratus* Hack.
Mexico and adjacent United States, native.
Pine savannas: Sonora, Chihuahua, Durango, Zacatecas, San Luis Potosi, Michoacan, Mexico, Morelos, Guerrero, Oaxaca.

40. *A.* (*Schizachyrium*) *condensatus* HBK
(including *A.* *rectirhachis* Fourn. from Veracruz)
As var. *elongatum* Roberty: Mexico to Paraguay.
As subsp. *elongatus* subvar. *exserens* Hack. in Mart. Fl. Bras. 2:297. 1883: Brazil and Mexico.
Note: by some authors combined with *A.* *microstachyus* Desv.

41. *A.* (*Amphilophis*) *condylotrichus* Hochst.
(including *A.* *piptatherus* Hack.)
Mexico and West Indies to Colombia, Venezuela and northern Brazil, native.
Subtropical clearings: Sinaloa, Jalisco, Colima, Michoacan, Veracruz, and Oaxaca.

42. *A.* (*Anatherum*) *elliottii* Chapm.
Eastern United States, Cuba, southern Mexico to British Honduras, native.
Pine savannas: Chiapas.

43. *A.* (*Schizachyrium*) *gaumeri* (Nash) Hitchc.
Mexico, endemic.
Brush: Chiapas, Campeche, Yucatan.

44. *A.* *gerardi* Vitman
(including *A.* *furcatus* Muhl.)
United States to Honduras, native.
Pine forests: Coahuila, Durango, Sinaloa, Jalisco, Michoacan, Hidalgo, Mexico, Morelos, Puebla, Oaxaca and Chiapas.

45. *A.* (*Anatherum*) *glomeratus* (Walt.) B.S.P.
Southeastern United States, Mexico, and the West Indies to Panama, native.
Common in open areas throughout Mexico.

46. A. *hallii* Hack.
North Dakota and Montana south to northern Mexico, native.
Sandy soils: Chihuahua.

47. *A.* (*Schizachyrium*) *hirtiflorus* (Nees)Kunth var. *hirtiflorus*
Southern United States and West Indies to Bolivia and Uruguay, native.
Pine forests and brush: common throughout Mexico.

47a.*A.* (*Schizachyrium*) *hirtiflorus* var. *feensis* (Fourn.)Hack.
Same distribution as the species.

48. *A.* *leucostachyus* HBK
Southern Mexico and the West Indies to Argentina, native.
Pine forests: Guerrero, Veracruz, Chiapas, Tabasco.

49. *A.* (*Anatherum*) *liebmannii* Hack.
(*Anatherum*)*virginicum* subvar. *liebmannii* (Hack.)Roberty
Mexico, endemic.
Pine forests: Nayarit, Jalisco, Michoacan, Hidalgo, Puebla, Veracruz.

50. *A.* (*Schizachyrium*) *littoralis* Nash
Massachusetts to Mexico, native.
Coastal: Tamaulipas, Veracruz, Tabasco, Campeche.

51. *A.* *maderensis* Swallen
Mexico, endemic.
Canyons: Coahuila.

52. *A.* (*Schizachyrium*) *malacostachyum* Presl
Mexico to Costa Rica, native.
Rocky hills: Jalisco, Guerrero, Puebla, Oaxaca, Chiapas, Yucatan.

53. *A.* *mexicanus* Hitchc.
Mexico, endemic.
Open woods: Nayarit, Jalisco (type loc.) and Chiapas.

54. *A.* (*Schizachyrium*) *microstachyus* Desv.
Mexico and West Indies to Argentina, native.
Pine forests or brush: Sonora, Sinaloa, Jalisco, Tamaulipas, San Luis Potosi, Hidalgo, Morelos, Guerrero, Puebla, Veracruz, Oaxaca, Tabasco, and Chiapas.

55. *A.* (*Schizachyrium*) *muelleri* (Nash) Hitchc.
(a tetraploid variation of *A.* *scoparius*)
Mexico, endemic.
Coastal: Veracruz.

56. *A.* (*Schizachyrium*) *myosurus* Presl.
Mexico, endemic.
Pine woods: Chihuahua, Durango, Jalisco, Michoacan, Guerrero, and Oaxaca.

57. *A.* (*Anatherum*) *pringlei* Scribn. & Merr.
(*Anatherum* *argyraeum* Roberty var. *pringlei* (Scribn. & Merr.) Roberty.
Mexico, endemic.
Central mountains: Michoacan, Mexico, Puebla, Veracruz, Oaxaca.

58. *A.* *salzmanni* (Trin.)Nash.
Mexico to Paraguay (type from Brazil)native.
Brush: Tamaulipas, Veracruz, Oaxaca.

59. *A*, *selloanus* (Hack.)Hack.
Mexico and West Indies to Argentina, native.
Pine woods: Oaxaca and Chiapas.

60. A. semiberbis (Nees)Kunth
Florida, Mexico, West Indies to Argentina, native.
Brush: Mexico, Chiapas, Yucatan.
61. A.(Schizachyrium) semiglabrum (Nash), N.Amer Fl. 17:103.1912.
Mexico, endemic.
Chihuahua (type loc.) "near Colonia Garcia".
62. A. semitectus Swallen
Mexico and Guatemala, native.
Brush: Jalisco and Guerrero.
63. A. spadiceus Swallen
Mexico, ednemic.
Coahuila (type loc.).
64. A. (Schizachyrium) tener (Nees)Kunth
Southern United States and West Indies south to Argentina, native.
Brush: Sonora, Durango, Jalisco, Tamaulipas, San Luis Potosi, Guanajuato, Mexico, Morelos, Veracruz, Oaxaca, and Chiapas.
65. A. ternarius Michx.
Delaware to Kentucky and Kansas, south to Florida and Mexico, native.
Sandy soil: Coahuila.
66. A. virginicus L.
Southern United States and West Indies south to Panama, native.
Pine woods: Coahuila, Nuevo Leon, Veracruz and Chiapas.
67. A. yucatanus Swallen
Mexico, endemic.
Brush: Yucatan.

ANTHEPHORA Schreb. Chlorideae
4 - 5 species in Africa, one in tropical America.
68. A. hermaphrodita (L.)Kuntze
Florida (where introduced), West Indies and Mexico south to Peru and Brazil, native.
Brush: Baja Norte, Baja Sur, Sinaloa, Nayarit, Jalisco, Colima, Michoacan, Mexico, Morelos, Guerrero, Veracruz, Oaxaca, Chiapas and the Yucatan Peninsula.

ANTHOXANTHUM L. Aveneae
3 - 4 species, European.
69. A. odoratum L.
Introduced.
Occasional in cultivated areas: Hidalgo, Chiapas.

ARISTIDA L. Aristideae
200 species throughout the subtropics of the world.
70. A. adscensionis L. var. adscensionis
Widespread in subtropics of both New World and Old World, native?
Brush: common throughout Mexico.
70a. A. adscensionis var. abortiva Beetle
California and northern Mexico, native.
Dry washes: Baja Sur, Coahuila, Chihuahua and Durango.

70b. A. adscensionis var. coarctata (HBK)Kuntze
West Indies and Mexico south to Venezuela, native.
Brush: Jalisco, Tamaulipas, Campeche, Yucatan.

70c. A. adscensionis var. decolorata (Fourn.) Beetle
Mexico, endemic.
Brush: Baja Sur, Sonora, Guerrero, Oaxaca, Chiapas and Yucatan.

70d. A. adscensionis var. interrupta(Cav.)Beetle.
Mexico, endemic.
Brush: Coahuila, Nuevo Leon, Tamaulipas, San Luis Potosi, Veracruz.

70e. A. adscensionis var. modesta Hack.
California and Arizona south to Argentina, native.
Dry washes: Baja Norte, Chihuahua, Durango, Sinaloa, Zacatecas, San Luis Potosi, Jalisco and Guanajuato.

70f. A. adscensionis var. nigrescens (Presl)Beetle
Mexico, endemic.
Dry washes: Baja Sur, Sonora, Zacatecas, Guerrero, Oaxaca.

71. A. appressa Vasey
Southern Mexico, endemic (according to Henrard).
Dry banks: San Luis Potosi south to Oaxaca.

72. A. arizonica Vasey
Colorado and Texas south to Central Mexico (acc. Henrard),native.
Dry banks: northern states (except Baja and Tamaulipas) south to the central highlands.

73. A. barbata Fourn.
(including A. havardi Vasey)
Texas to Arizona and central Mexico, native.
Dry banks: northern states south to Districto Federal.

74. A. californica Thurb.
Southern California and southwestern Arizona to northwestern Mexico, native.
Dry washes: Baja Norte, Baja Sur and Sonora.

75. A. capillacea Lam.
Mexico to Bolivia and Brazil, native.
Pine forests: Sinaloa, Nayarit and Mexico.

76. A. curvifolia Fourn.
Mexico, endemic.
Pine savanna: Coahuila, Nuevo Leon, Durango, Zacatecas, San Luis Potosi and Oaxaca.

77. A. divaricata H. & B.
(including A. palmeri Vasey)
Kansas to southern California south to Mexico.
Dry banks: northern states south to Oaxaca.

78. A. fendleriana Steud.
North Dakota and Montana, south to Nevada, southern California and Mexico, native.
Dry banks: Coahuila, Nuevo Leon and San Luis Potosi.

79. A. floridana (Chapman)Vasey
Florida and Yucatan Peninsula, native.
Brush: Campeche, Yucatan and Quintana Roo.

80. *A. fournieriana* Hitchc.
(including *A. geminiflora* Fourn.)
Mexico, endemic,
Brush: Veracruz.
81. *A. gentilis* Henr.
Mexico, endemic.
Pine woods: Sonora, Durango, Aguascalientes, Guanajuato, Hidalgo, and Oaxaca.
82. *A. glabrata* (Vasey)Hitchc.
Arizona and Mexico, native.
Dry banks: Sonora, Baja Norte and Baja Sur.
83. *A. glauca* (Nees)Walp.
(including *A. reverchonii* Vasey)
Southern California, Nevada and Utah south to Texas and Mexico, native.
Dry banks: All northern border states and San Luis Potosi, Veracruz and Puebla.
84. *A. hamulosa* Henr,
(including *A. gentilis* Henr. var. *breviaristata* Henr.)
Southwestern United States to Guatemala, native.
Oak forests: Baja Norte, Sonora, Chihuahua, Durango, Zacatecas, Aquascalientes, San Luis Potosi, Guanajuato, Queretaro, Mexico, Puebla, Veracruz and Oaxaca.
85. *A. hintoni* Hitchc.
Mexico, endemic.
Pine savanna: Tamaulipas, Jalisco, Michoacan, Mexico, Guerrero and Oaxaca.
86. *A. hitchcockiana* Henr.
Mexico, endemic.
Pine savanna: Jalisco, Puebla, Oaxaca (type loc.).
87. *A. jacquiniana* Tausch var. *jacquiniana*
Mexico to Ecuador, native.
Pine savanna: Jalisco.
87a. *A. jacquiniana* var. *subaequilonga* Henr.
Mexico, endemic.
Pine savanna: Jalisco.
88. *A. jorulensis* Kunth
Mexico to Panama, native.
Dry banks: Sonora, Sinaloa, Nayarit, Jalisco, Colima, Guerrero, Oaxaca, Veracruz and Chiapas.
89. *A. lagascae* Henr.
Mexican, endemic.
State of Mexico (type loc.).
90. *A. laxa* Cav. var. *laxa*
(including *A. spadicea* HBK)
Mexico, endemic.
Dry banks and dunes: Sonora, Chihuahua, Sinaloa, Nayarit, Jalisco, San Luis Potosi, Mexico, Morelos, Puebla and Oaxaca.
90a. *A. laxa* var. *longiramea* (Presl) Henr.
Mexico, endemic.
Dry banks: Jalisco to Oaxaca.

91. A. liebmanni Fourn.
Mexico, endemic.
Dry banks: Veracruz (type loc.), Oaxaca and Chiapas.

92. A. longespica Poir.
New Hampshire to Michigan south to Florida, Texas, Mexico, native.
Sandy soil: Tamaulipas.

93. A. longiseta Steud. var. longiseta
Western U. S. to northern Mexico, native.
Plains: Baja Norte, Chihuahua, Coahuila and Nuevo Leon.

93a. A. longiseta var. robusta Merr.
Western United States and New Mexico to northern Mexico, native.
Plains: Chihuahua.

94. A. marginalis Ekman
Mexico; Venezuela, Columbia to Brazil and Paraguay (native?).
Barancas: Chihuahua (acc. Gentry, 1942).

95. A. mexicana Scribn.
Mexico, endemic? - reported by Henrard (1929) for Guatemala but not confirmed by Swallen (1955).
Dry banks: Mexico, Distr. Fed. and Puebla.

96. A. orcuttiana Vasey.
Texas to California south to central Mexico, native.
Plains: Sonora, Chihuahua, Coahuila, Nuevo Leon, Durango, Nayarit, Jalisco, Guanajuato, Michoacan, Mexico, Tlaxcala.

97. A. orizabensis Fourn.
Mexico to Panama, native.
Brush: Sinaloa, Durango, Jalisco, Guanajuato, Michoacan, Mexico, Guerrero, Tlaxcala, Puebla, Veracruz, Oaxaca, Chiapas.

98. A. pansa Woot. & Standl. var. pansa
Texas and Arizona south to central Mexico, native.
Plains: Sonora, Chihuahua, Coahuila, Nuevo Leon, south to Puebla.

98a. A. pansa var. dissita (Johnston) Beetle.
Same distribution as the species.

99. A. parishii Hitchc.
Nevada to California and northern Mexico, native.
Dry washes: Baja Norte, Coahuila.

100. A. peninsularis Hitchc.
Mexico, endemic.
Dunes: Baja Norte and Sonora.

101. A. purpurascens Poir.
Massachusetts to Wisconsin and Kansas south to British Honduras, native.
Sandy soil: Coahuila.

102. A. purpurea Nutt.
Arkansas and Kansas to central Mexico, native.
Plains: Coahuila, Nuevo Leon, Tamaulipas, Durango, San Luis Potosi, Hidalgo and Puebla.

103. A. purpusiana Hitchc.
Mexico, endemic.
Dry wash: Baja Sur.

104. A. roemeriana Scheele
(including A. micrantha Nash)
Texas and New Mexico to central Mexico, native.
Plains: Chihuahua, Coahuila, Nuevo Leon, Tamaulipas, Durango, Zacatecas, San Luis Potosi, Puebla.

105. A. schiedeana Trin. & Rupr.
Mexico and Guatemala, native.
Pine savannas throughout Mexico.

106. A. scribneriana Hitchc.
(including A. lanuginosa Scribn.)
Mexico, endemic.
Brush: Durango, Jalisco, Guanajuato, Michoacan, Guerrero.

107. A. ternipes Cav. var. ternipes.
Southwestern United States, West Indies to Colombia, native.
Brush: common throughout Mexico.

107a. A. ternipes Cav. var. minor (Vasey) Hitchc.
Same distribution as the species.

108. A. vaginata Hitchc.
Mexico, endemic.
Revillagigedo Islands (Soccoro Isld.) type loc.

109. A. wrightii Nash.
Southern California and Colorado, Texas, south to central Mexico, native.
Plains: Chihuahua, Coahuila, Nuevo Leon, Sinaloa, Durango, Zacatecas, San Luis Potosi, Mexico, Puebla, Oaxaca.

ARTHRAXON Beauv. Andropogoneae

About 20 species in the Old World tropics.

110. A. quartinianus (A.Rich.)Nash
Introduced.
Brush: Chiapas.

ARUNDINELLA Raddi Arundinelleae

20 species, pantropical.

111. A. berteroniana (Schult.)Hitchc. & Chase
(including A. peruviana Steud.)
Mexico to Brazil, native.
Brush: Sinaloa, Nuevo Leon, Tamaulipas, San Luis Potosi, Jalisco, Colima, Michoacan, Hidalgo, Mexico, Morelos, Puebla, Guerrero, Veracruz, Oaxaca, Chiapas and Tabasco.

112. A. confinis (Schult.)Hitchc. & Chase
(including A. hispida (H.& B.)Kuntze) A. martinicensis Trin., and A. pallida Nees)
Mexico and West Indies south to Panama, native.
Dry banks: Sonora, Jalisco, Michoacan, Mexico, Guerrero, Veracruz, Oaxaca, Chiapas and Tabasco.

113. A. deppeana Nees
(including A. phragmitoides Griseb.)
Mexico and West Indies south to Brazil, native.
Pine savanna: Nuevo Leon, Sinaloa, Nayarit, Jalisco, Colima, Guerrero, Hidalgo, Mexico, Veracruz, Oaxaca, Chiapas, Tabasco.

114. A. palmeri Vasey
Mexico, endemic.
Dry banks: Sonora, Nayarit, Jalisco, Mexico, Guerrero, Veracruz.

ARUNDO L. Arundinae
5 - 6 species, Old World, subtropics.
115. A. donax L.
Introduced.
Cultivated and adventive throughout Mexico.

AVENA L. Aveneae
About 10 species, Old World, temperate.
116. A. barbata Brot.
Introduced.
Coastal hills: Baja Norte.
117. A. fatua L.
Introduced.
Common weed throughout Mexico.
118. A. sativa L.
Introduced.
Cultivated and an escape, scattered localities from the northern states south to central Mexico.

AXONOPUS Beauv. Paniceae
About 80 species, tropical and subtropical, New World.
119. A. affinis Chase
Southeastern United States, West Indies to Argentina, native.
Wet places: Hidalgo, Puebla, Veracruz and Chiapas.
120. A. arseni Swallen
Mexico, endemic.
Wet places: Colima, Michoacan and Distr. Federal.
121. A. ater Chase
Mexico, endemic.
Wet places: Veracruz.
122. A. centralis Chase
Mexico, endemic.
Wet places: Nayarit, Jalisco and Colima.
123. A. chrysites (Steud.) Kuhlm.
Mexico and Central America, native.
Wet places: "Mex. Galeotti" acc. to Black, 1963.
124. A. compressus (Sw.)Beauv.
Pantropical (native?).
Wet places: Nuevo Leon and Sinaloa south to Yucatan Peninsula, often cultivated.
125. A. deludens Chase
Mexico, endemic.
Wet places: Jalisco.
126. A. elongatus Swallen
Mexico and Guatemala, native.
Wet places: Chiapas.

127. *A. mexicanus* Black
Mexico, endemic.
Wet places: Sinaloa.
128. *A. multipes* Swallen
Mexico, endemic.
Wet places: Veracruz.
129. *A. poiophyllus* Chase
Mexico to Honduras, native.
Wet places: Tamaulipas and Chiapas.
130. *A. purpusii* (Mez)Chase
Mexico to Argentina, native.
Wet places: Veracruz, Oaxaca, Chiapas, Tabasco.
131. *A. reederi* Black
Mexico, endemic.
Wet places: Chiapas.
132. *A. rosei* (Scribn. & Merr.)Chase
Mexico, endemic.
Wet places, Nayarit.
133. *A. scoparius* (Flügge) Kúhlm.
Mexico to Peru (acc. to Black, 1963), native.
Wet places, "Mex. Galeotti 227" (acc. to Black, 1963).

BAMBUSA Schreb. Bambuseae
100 or more in the Old World tropics and in the New World tropics as Section Guadua.
134. *B.* (*Guadua*) *aculeata* (Rupr.)Hitchc.
Mexico south to Panama, native.
Tropical forest margin, San Luis Potosi, Veracruz and Campeche.
135. *B.* (*Guadua*) *amplexifolia* (Presl) Schultes
Mexico to Colombia and Venezuela.
Tropical forest margin, Sinaloa.
136. *B.* (*Guadua*) *longifolia* (Fourn.)McClure.
(including *Arthrostylidium spinosum* Swallen)
Mexico, endemic.
Thickets, Durango, Nayarit, San Luis Potosi, Mexico, Oaxaca, Chiapas and Campeche.
137. *B. vulgaris* Schrad.
Introduced.
Cultivated, scattered localities throughout Mexico.

BLEPHARIDACHNE Hack. Eragrosteae
2 species, North America.
138. *B. bigelovii* (S.Wats.)Hack.
Texas and northern Mexico, native.
Chihuahuan desert: Coahuila.

BLEPHARONEURON Nash Eragrosteae
One species, North America.
139. *B. tricholepis* (Torr.)Nash
Colorado and Utah south to central Mexico, native.
Pine woods: northern border states south to Tlaxcala and Distr. Fed.

BOTHRIOCHLOA Andropogoneae

About 30 species, tropic and subtropics of the world.

140. B. alta (Hitchc.)Henr.
Texas and New Mexico south to Bolivia and Argentina, native.
Dry banks: Durango, Zacatecas, San Luis Potosi, Jalisco, Guanajuato, Queretaro, Oaxaca, Chiapas.

141. B. barbinodis (Lag.)Herter var. barbinodis
(including Andropogon emersus Fourn.)
California, Colorado and Texas south to central Mexico; Argentina and Uruguay, native.
Dry banks: all the northern border states south to Veracruz and Oaxaca.

141a. B. barbinodis var. perforata (Trin.)Gould
Same distribution as the species,

142. B. campii (Swallen) deWet
Mexico and Ecuador, native.
Dry banks, Oaxaca.

143. B. hirtifolia (Presl)Henr.
(including Andropogon Schaffneri Griseb. and A. hirtifolius var. pubiflorus (Fourn.)Hack.)
Mexico, endemic.
Dry banks: Michoacan, Distr. Fed., Veracruz, Oaxaca and Chiapas.

144. B. hyrida (Gould)Gould
Texas and Mexico, native.
Dry banks: Coahuila.

145. B. ischaemum (L.) Keng var. songarica (Rupr.) Cel.& Henr.
Introduced.
Cultivated & escaped: Nuevo Leon, Tamaulipas, Michoacan.

146. B. palmeri (Hack.)Gould
(B. barbinodis var. palmeri (Hack.)deWet)
Mexico, endemic.
Dry banks: Durango, Zacatecas, Jalisco, Michoacan and Guanajuato.

147. B. pertusa (L.)Camus
Introduced.
Dry banks: Tamaulipas, San Luis Potosi, Campeche and Yucatan.

148. B. piptathera (Hack.)Gould
Mexico and Brazil.
Dry banks: Chiapas.

149. B. reevesii (Gould)Gould
Mexico, endemic.
Dry banks: Coahuila.

150. B. saccharoides (Sw.)Rydb. var. saccharoides.
Southwestern United States and West Indies to Argentina, native.
Dry banks: common throughout Mexico except for the Yucatan Peninsula.

150a. B. saccharoides var. laguroides (DC)Beetle.
Same distribution as the species, native.

150b. B. saccharoides var.longipaniculata (Gould)Gould.
Texas to Panama, native.
Dry banks: Nuevo Leon.

151. B. schlumbergeri (Fourn.)Henr.
(B. barbinodas var. schlumbergeri (Fourn. ex Hemsl.)deWet).
Mexico and Guatemala, native.
Dry banks: Durango and San Luis Potosi, south to Oaxaca.

152. B. springfieldii (Gould)Parodi
United States and Mexico, native.
Dry banks: Nayarit.

153. B. wrightii (Hack.)Henr.
New Mexico and Mexico, native.
Dry banks: Chihuahua, Durango, Nuevo Leon and San Luis Potosi.

BOUTELOUA Lag. Chlorideae
Species about 40 in the Americas.

154. B. alamosana Vasey
Mexico, endemic.
Rocky banks: Sonora (type loc.).

155. B. annua Swallen
Mexico, endemic.
Dry banks: Baja Sur (type loc.).

156. B. arenosa Vasey
Mexico, endemic.
Sandy soil: Sonora (type loc.), Sinaloa and Baja Sur.

157. B. aristidoides (HB)Griseb.
(including B. aristidoides var. arizonica Jones).
Texas to southern California, Mexico and South America, native.
Dry soils: northern border states south to Oaxaca.

158. B. barbata Lag.
Colorado and Utah south to Mexico; Argentina, native.
Dry soils: northern border states south to Oaxaca.

159. B. breviseta Vasey
(including B. ramosa Scribn.)
U. S. and Mexico, native.
Dry washes: Chihuahua, Coahuila, Nuevo Leon, Durango, Zacatecas, San Luis Potosi and Veracruz.

160. B. chasei Swallen
Mexico, endemic.
Gypsum: Coahuila, Nuevo Leon, Zacatecas and San Luis Potosi.

161. B. chondrosioides (HBK)Benth.
(including B. havardii Vasey).
Texas and Arizona south to Honduras, native.
Rocky slopes: Sonora and Chihuahua south to Chiapas.

162. B. curtipendula (Michx.)Torr. var curtipendula.
Canada to central Mexico, native.
Grassland: northern border states south to central Mexico.

162a. B. curtipendula var. caespitosa Gould and Kapadia
U. S. and Mexico; Venezuela to Argentina, native.
Dry banks: northern border states south to Chiapas.

162b. B. curtipendula var. tenuis Gould and Kapadia
Mexico, endemic.
Dry banks: Chihuahua south to Chiapas.

163. B. distans Swallen
Mexico, endemic.
Dry banks: Oaxaca (type loc.)

164. B. disticha (Kunth)Benth.
Mexico and West Indies to Peru and Argentina, native.
Dry banks: Jalisco, Michoacan and Guerrero.

165. B. elata J. & C. Reeder
Mexico, endemic.
Rocky cliffs: Jalisco, Colima and Chiapas.

166. B. eludens Griffiths
U. S. and Mexico, native.
Dry banks: Sonora, Chihuahua and Coahuila.

167. B. eriopoda (Torr.)Torr.
U. S. and northern Mexico, native.
Dry slopes: Sonora, Chihuahua, Coahuila, Nuevo Leon and Durango.

168. B. eriostachya (Swallen)Reeder
(B. eriopoda var. eriostachya Swallen)
Mexico, endemic.
Dry banks: Coahuila.

169. B. gentryi Gould
Mexico, endemic.
Dry banks: Durango, Jalisco.

170. B. glandulosa (Cerv.)Swallen
(including B. hirticulmis Scribn.)
Mexico and Guatemala, native.
Limestone balds: Sonora, Chihuahua and Baja Sur, south to Chiapas.

171. B. gracilis (HBK)Lag.
U. S. and Mexico; native; South America (introduced?).
Grasslands: northern border states to Puebla.

172. B. heterostega (Trin.)Griffiths
West Indies and Mexico, native.
Brush: Nuevo Leon.

173. B. hirsuta Lag.
U. S. and Mexico, native.
Thickets: throughout Mexico except for the Yucatan Peninsula.

174. B. johnstonii Swallen
Mexico, endemic.
Gypsum: Coahuila.

175. B. juncea (Desv.)Hitchc.
Mexico, endemic.
Thickets: Hidalgo, Mexico, Morelos and Guerrero.

176. B. karwinskii (Fourn.)Griffiths
Mexico, endemic.
Gypsum: Coahuila, Nuevo Leon, Zacatecas, San Luis Potosi and Tamaulipas.

177. B. longiseta Gould
Mexico, endemic.
Dry slopes: Oaxaca and Chiapas (type loc.).

178. *B. media* (Fourn.)Gould and Kapadia
(including *B. latifolia* Swallen and *B. pringlei* Scribn.)
Mexico, endemic.
Dry slopes: Baja Sur, San Luis Potosi, Colima, Michoacan, Mexico, Morelos, Guerrero, Oaxaca and Chiapas.

179. *B. parryi* (Fourn.)Griffiths
New Mexico and Arizona to Mexico, native.
Rocky slopes: northern border states south to Guanajuato.

180. *B. pedicellata* Swallen
Mexico, endemic.
Rocky slopes: Tlaxcala and Puebla (type loc.).

181. *B. purpurea* Gould and Kapadia
Mexico, endemic.
Heavy black soils: central mountains.

182. *B. radicosa* (Fourn.)Griffiths
Southern New Mexico and southern California to Mexico, native.
Dry slopes: northern border states south to Oaxaca.

183. *B. reflexa* Swallen
Mexico, endemic.
Dry washes: Sonora, Sinaloa and Baja Sur.

184. *B. repens* (HBK)Scribn. & Merr.
(including *B. filiformis* (Fourn.)Griffiths)
Texas to Arizona, West Indies to Venezuela and Colombia, native.
Dry slopes: common throughout Mexico.

185. *B. rigidiseta* (Steud.)Hitchc.
(including *B. texana* S. Wats.)
Oklahoma and Texas and northern Mexico, native.
Grassland: Sonora, Coahuila, Nuevo Leon and Tamaulipas.

186. *B. rothrockii* (Cervant)Swallen
(including *B. hirticulmis* Scribn.)
Southern California and Arizona to northern Mexico, native.
Mesas: Sonora, Chihuahua, Coahuila, Nuevo Leon, Sinaloa, Durango and Baja Sur.

187. *B. scorpioides* Lag.
Mexico, endemic.
Dry flats: Chihuahua and Nuevo Leon south to Puebla.

188. *B. simplex* Lag.
(including *B. tenuis* (Beauv.)Griseb.)
Southwestern United States to Argentina, native.
Dry flats: northern border states south to Veracruz and Oaxaca.

189. *B. sonorae* Griffiths
Mexico, endemic.
Dry washes: Sonora, Sinaloa and Baja Sur.

190. *B. triaena* (Trin.)Scribn.
Mexico and Guatemala, native.
Thickets: Coahuila and Sinaloa south to Yucatan Peninsula.

191. *B. trifida* Thurb.
Texas to California and northern Mexico, native.
Grasslands: Chihuahua, Coahuila, Nuevo Leon, Tamaulipas and San Luis Potosi.

192. *B. uniflora* Vasey var. *uniflora*
United States and northern Mexico, native.
Rocky slopes: Nuevo Leon and Coahuila.

192a. *B. uniflora* var. *coahuilensis* Gould and Kapadia
Mexico, endemic.
Rocky slopes: Coahuila, Nuevo Leon, Tamaulipas, Zacatecas, San Luis Potosi and Aquascalientes.

193. *B. warnockii* Gould and Kapadia
Texas and New Mexico south to north central Mexico
Grassland: Coahuila.

194. *B. williamsii* Swallen
Mexico to Honduras, native.
Rocky slopes: Zacatecas, Jalisco, Guerrero, Oaxaca and Chiapas.

BRACHIARIA Griseb. Paniceae

About 15, tropics and subtropics of the world.

195. *B. ciliatissima* (Buckl.)Chase
Arkansas, Oklahoma, Texas and Mexico, native.
Sandy soils: Tamaulipas and Nuevo Leon.

196. *B. mexiana* Hitchc.
Mexico, endemic.
Sandy soils: Chihuahua to Tamaulipas and south to Oaxaca.

197. *B. ophyrodes* Chase
Mexico, endemic.
Sandy soils: Tamaulipas and Nuevo Leon.

198. *B. plantaginea* (Link)Hitchc.
United States (where introduced?); Mexico to Bolivia and Brazil, native.
Sandy soils: Durango to Tamaulipas and south to Oaxaca.

199. *B. platyphylla* (Griseb.)Nash
U. S., Cuba and Mexico, native.
Wet places: reported for Mexico by Gould (1975).

200. *B. purpurascens* (Raddi)Henr.
(*Panicum purpurascens* Raddi)
Pantropical (introduced in the Americas?)
Ditches and cultivated: Baja Sur, Tamaulipas, Colima, Jalisco, Mexico, Veracruz, Oaxaca, Chiapas, Tabasco, Campeche, Yucatan and Quintana Roo.

201. *B. reptans* (L.) Gard. & Hubb.
Pantropical (introduced in the Americas?)
Ditches: Sonora, Sinaloa, Nuevo Leon, Tamaulipas, Colima, Jalisco, Guerrero, Veracruz, Oaxaca, Chiapas, Campeche and Yucatan.

202. *B. subquadripara* (Trin.)Hitchc.
Introduced.
Ditches: Nuevo Leon, Veracruz and Yucatan.

BRACHYPODIUM Beauv. Festuceae

About 15 species in the Old World; two in subtropical America.

203. *B. mexicanum* (R. & S.)Link
Mexico to Bolivia, native.
Dry banks; common from Baja Sur to Nuevo Leon and south to Chiapas.

204. *B. pringlei* Scribn.
Mexico, endemic.
Dry banks: Coahuila, Nuevo Leon and Tamaulipas.

205. *B. sylvaticum* (Huds.)Beauv.
Introduced.
Forest margin: Distr. Federal.

BRIZA L. Festuceae

Three annuals in the Old World; about 15 New World perennials.

206. *B. minor* L.
Introduced.
Roadsides: Jalisco, Mexico, Puebla and Veracruz.

207. *B. rotundata* (HBK)Steud.
Mexico and Guatemala, native.
Pine savanna: Nuevo Leon and Tamaulipas south to Chiapas.

BROMUS L. Brachypodeae

About 100 species, temperate zone world-wide.

208. *B. anomalus* Rupr.
United States and Mexico, native.
Pine savanna: northern border states south to Veracruz and Oaxaca.

209. *B. arizonicus* (Shear)Stebbins
United States and Mexico, native.
Dry washes: Nuevo Leon and Baja Norte.

210. *B. attenuatus* Swallen
Mexico, endemic.
Pine savanna: Nuevo Leon and Hidalgo.

211. *B. carinatus* H. & A.
United States to central America, native.
Pine savanna: common throughout Mexico.

212. *B. ciliatus* L.
Canada and United States south to northern Mexico, native.
Pine savanna: Baja Norte and Sonora.

213. *B. densus* Swallen
Mexico, endemic.
Pine savanna: Coahuila, Nuevo Leon and Tamaulipas.

214. *B. diandrus* Roth
(*B. rigidus* Roth)
Introduced.
Roadsides: Baja Norte, Puebla.

215. B. dolichocarpus Wagnon
Mexico, endemic.
Pine savanna: Colima, Jalisco, Michoacan, Hidalgo, Mexico, Morelos and Oaxaca.

216. B. lanatipes (Shear)Rydb.
(including B. pinetorum Swallen)
U. S. and northern Mexico, native.
Pine savanna: Coahuila.

217. B. marginatus Nees
Canada to northern Mexico, native.
Pine savanna: Nuevo Leon and Sonora.

218. B. meyeri Swallen
Mexico, endemic.
Pine savanna: Nuevo Leon.

219. B. mollis L.
Introduced.
Dry hills: Baja Norte.

220. B. mucroglumis Wagnon
(including B.thysanoglottis Soderstrom & Beaman).
Mexico, endemic.
Pine savanna: Chihuahua, Durango and Baja Sur.

221. B. polyanthus Scribn.
Western U. S. and northern Mexico, native.
Pine savanna: Sonora.

222. B. porteri (Coult.)Nash
(including B. frondosus (Shear)Woot. & Standl.)
Canada to Mexico, native.
Pine savanna: northern border states south to Campeche.

223. B. rubens L.
Introduced.
Dry hills: Baja Norte.

224. B. tectorum L.
Introduced.
Dry hills: Baja Norte and Chihuahua.

225. B. trinii Desv.
California and northern Mexico; Chile, native.
Coastal hills: Baja Norte.

226. B. unioloides HBK.
Introduced.
Ditches and cultivated: Chihuahua, Coahuila, Hidalgo and Mexico.

227. B. wildenowii Kunth
Introduced.
Ditches and cultivated: northern border states south to Chiapas.

BUCHLOE Engelm. Chlorideae

One species in North America.

228. B. dactyloides (Nutt.)Engelm.
Grassland: northern border states south to central mountains.

BUCHLOMINUS RRR Chlorideae
One, endemic to Mexico.
229. B. nervatus (Swallen)RRR
Mexico, endemic
Hidalgo and Mexico.

CALAMAGROSTIS Adans. Agrostideae
About 150 species, temperate, worldwide.
230. *C. eriantha* (HBK)Steud.
Mexico, endemic.
Pine savanna: Mexico, Puebla, Veracruz and Oaxaca.
231. *C. junciformis* (HB)Steud.
Mexico and Guatemala, native.
Mountain slopes: "Nevada de Toluca", type loc.
232. *C. orizabae* (Rupr.)Steud.
(including *C. erectifolia* Hitchc. and *C. plumosa* (Fourn.) Scribn.)
Mexico, endemic.
Mountain slopes: "Mount Orizabae", type loc., and Nevada de Colima.
233. *C. pringlei* Beal
Mexico (endemic?; closely related to *C. guatemalensis* Hitchc.)
Mountain slopes: Chihuahua.
234. *C. tolucensis* (HB)Trin.
(including *C. mcvaughei* Sohns)
Mexico, endemic.
Mountain slopes, central mountains.
235. *C. valida* Sohns
Mexico, endemic.
Mountain slopes: Jalisco.
236. *C.volcanica* Swallen
Mexico and Guatemala.
Mountain slopes: "Vulcan Tacana".

CALAMOCHLOA Fourn. Chlorideae
One species, endemic.
237. *C. filifolia* Fourn.
Brush: San Luis Potosi.

CATHESTECUM Presl Chlorideae
Species six, North and Central America.
238. *C. brevifolium* Swallen
Mexico and Central America, native.
Dry slopes: Sonora and Chihuahua south to Chiapas.
239. *C. erectum* Vasey and Hack.
Texas to Arizona and adjacent Mexico, native.
Dry slopes: Chihuahua.
240. *C. multifidum* Griffiths
Mexico, endemic.
Dry slopes: Mexico, Morelos, Guerrero and Oaxaca.

241. C. prostratum Presl
(including C. annum Swallen)
Mexico, endemic.
Dry slopes and flats: Queretaro, Jalisco, Morelos, Guerrero and Oaxaca.
242. C. varium Swallen
Mexico, endemic.
Dry slopes: Puebla and Oaxaca.

CENCHRUS L. Paniceae
Species about 20, worldwide.
243. C. brownii R. & S.
(including C. viridis Spreng.)
Florida and West Indies to Bolivia and Brazil, native.
Sandy soil: Baja Sur and Mayarit; Nuevo Leon and Tamaulipas; south to the Yucatan Peninsula.
244. C. ciliaris L.
Introduced? (closely related to C. multiflorus Presl which is said to be native).
Ditches and cultivated: common throughout Mexico.
245. C. echinatus L.
Southern United States, West Indies to Argentina, native.
Ditches: common throughout Mexico.
246. C. incertus Curtis
(including C. pauciflorus Benth.)
Southern United States, West Indies to South America, native.
Ditches: common throughout Mexico.
247. C. longispinus (Hack.)Fernald
United States and West Indies to Venezuela, native.
Ditches: Durango, Tamaulipas and Campeche.
248. C. multiflorus Presl
(including Pennisetum karwinskyi Schrad.)
Native? (closely related to C. ciliaris L. which is said to be introduced); also in Central America.
Dry flats: southern Sonora and southern Chihuahua south along the west coast of Mexico to Chiapas.
249. C. myosuroides HBK
Florida and West Indies south to South America, native.
Northern border states south to Veracruz and Oaxaca.
250. C. palmeri Vasey
Mexico, endemic.
Sandy soils: Baja Norte, Baja Sur and Sonora (type loc.).
251. C. pilosus HBK
(including C. pallidus Fourn.)
Mexico south to Peru, native.
Dry slopes: Jalisco, Colima south to Yucatan.

CHABOISSAEA Fourn. Eragrosteae

One species, endemic.

252. C. ligulata Fourn.
(Muhlenbergia ligulata (Fourn.)Scribn. & Merr.)
Mexico, endemic.
Dry slopes: Chihuahua south to Mexico.

CHAETIUM Nees Andropogoneae

3 species in the Americas.

253. C. bromoides (Presl)Benth.
Mexico and Central America, native.
Dry slopes: Chihuahua south to Campeche.

CHLORIS Sw. Chlorideae

70 species, subtropics, worldwide.

254. C. andropogonoides Fourn.
Texas and northern Mexico, native.
Ditches: Coahuila, Nuevo Leon, Tamaulipas and San Luis Potosi.

255. C. aristata (Cervantes)Swallen
(including references to C. rufescens Lag. and Mexican references to C. orthonoton).
Mexico and Central America, native.
Coahuila, Nuevo Leon, south to Chiapas.

256. C. brandegei (Vasey)Swallen
Mexico, endemic.
Arroyos: Baja Norte and Baja Sur.

257. C. chloridea (Presl)Hitchc.
(C. clandestina Scribn. & Merr.)
U. S. and Mexico to Central America, native.
Dry slopes: Baja California and Sonora south to Chiapas; Nuevo Leon, Tamaulipas, San Luis Potosi south to Chiapas.

258. C. ciliata Sw.
U. S., West Indies and Mexico to Argentina, native.
Grassland: Coahuila, Nuevo Leon, Tamaulipas south to Yucatan Peninsula.

259. C. crinita Lag.
(Trichloris crinita (Lag.) Parodi)
Texas south to Argentina, native.
Dry washes: Chihuahua, Coahuila, Nuevo Leon, Durango and San Luis Potosi.

260. C. cucullata Bisch.
Texas and northern Mexico, native.
Ditches: Coahuila, Nuevo Leon and Tamaulipas.

261. C. gayana Kunth
Introduced.
Cultivated and escaped: Coahuila, Nuevo Leon, Mexico and Chiapas.

262. C. inflata Link
(Including references to C. barbata (L.) Sw.)
Pantropical and subtropics, introduced?
Dry washes: Sonora, Tamaulipas, Veracruz and the Yucatan Peninsula.

263. C. pluriflora (Fourn.)Clayton
Texas, Mexico, Central and South America, native.
Dry washes: Coahuila, Nuevo Leon, Tamaulipas, Oaxaca, Campeche.
264. C. radiata (L.)Sw.
West Indies and Mexico to Paraguay, native.
Ditches: Nuevo Leon, Morelos, Veracruz and Oaxaca.
265. C. subdolichostachya Muller
(including C. latisquamea Nash)
Texas and northern Mexico, native.
Sandy soils: Coahuila, Nuevo Leon and Tamaulipas.
266. C. submutica HBK
Mexico, endemic.
Dry washes: common from the northern border states south to Chiapas.
267. C. verticillata Nutt.
United States to northern Mexico, native.
Plains: reported only from Coahuila.
268. C. virgata Sw.
Pantropical, native? (U.S., West Indies south to Argentina).
Ditches: common throughout Mexico.

CHUSQUEA Bambuseae
About 100 species in the Americas.
269. C. bilimeki Fourn.
Mexico, endemic.
Thickets: San Luis Potosi and Veracruz.
270. C. carinata Fourn.
Mexico, endemic.
Thickets: Veracruz.
271. C. galeottiana Rupr.
Mexico, endemic.
Thickets: Guerrero, Oaxaca(type loc.) and Chiapas.
272. C. heydei Hitchc.
Mexico and Guatemala, native.
Thickets: west coast from Jalisco to Chiapas.
273. C. liebmannii Fourn.
Mexico, endemic.
Thickets: Sinaloa, Oaxaca (type loc.) and Chiapas.
274. C. longifolia Swallen
Southern Mexico to Panama, native.
Thickets: Chiapas.
275. C. muelleri Munro
Mexico, endemic.
Thickets: Veracruz.
276. C. nelsonii Scribn. & Smith
Mexico, endemic.
Thickets: Chiapas.

277. C. serrulata Pilger
Mexico, endemic.
Thickets: Chiapas.
278. C. simpliciflora Munro
Mexico and Guatemala, native.
Thickets: "Mexico" according to Swallen: Grasses of Guatemala.
279. C. spinosa Fourn.
Mexico, endemic.
Thickets: Puebla.
280. C. sulcata Swallen
Mexico, endemic.
Thickets: Chiapas.

CINNA L. Agrostideae
3 species, one in N. America and Eurasia, one in Nam. and one in Mexico south to South America.
281. C. poaeformis (HBK) Scribn. & Merr.
Mexico, Costa Rica, Panama, Colombia, Venezuela, Peru, native.
Pine savanna: Hidalgo, Mexico, Morelos, Puebla, Oaxaca, Chiapas.

COELORACHIS Brongn. Andropogoneae
Tropics of the World, about 25 species.
282. C. ramosa (Fourn.) Nash
(Manisuris ramosa (Fourn.)Hitchc.)
Mexico to Panama and Colombia, native.
Ditches: Michoacan, Veracruz, Tabasco and Campeche.

COIX L. Andropoganeae
4 in the Old World tropics.
283. C. lacryma-jobi L.
Introduced.
Cultivated and escaped: Coahuila, Nuevo Leon, Veracruz, Oaxaca, Chiapas, Tabasco and Yucatan.

CORTADERIA Stapf Arundinae
15 species in South America.
284. C. dioica (Spreng.)Speg.
(including references to C. selloana (Scult.)Aschers. & Graebn.)
Introduced.
Cultivated as an ornamental: Chihuahua, Nuevo Leon, Queretaro, Mexico and Puebla.

COTTEA Kunth Pappophoreae
One species, New World.
285. C. pappophoroides Kunth
Bicentric: U.S. and Mexico; Ecuador to Peru and Argentina, native.
Dry slopes: northern border states south to Oaxaca.

CRYPTOCHLOA Swallen Olyreae

4 species in Mexico, Central and South America.

286. C. granulifera Swallen
Mexico to Ecuador, native.
Tropical forest: Veracruz and Chiapas.

287. C. strictiflora (Fourn.)Swallen
(Strephium strictiflorum Fourn. Raddia strictiflora (Fourn.) Chase and Olyra strictiflora (Fourn.)Hemsl.)
Mexico, endemic.
Tropical forest: Veracruz.

CTENIUM Panzer Chlorideae

20 species, world tropics.

288. C. planifolium (Presl)Kunth
(Campulosus planifolius Presl)
Mexico, endemic.
Brush: Mexico, Oaxaca and Chiapas.

289. C. plumosum (Hitchc.)Swallen
Mexico, endemic.
Brush: Sinaloa and Nayarit.

CYCLOSTACHYA Reeder and Reeder Chlorideae

One species in Mexico.

290. C. stolonifera (Scribn.)Reeder and Reeder
Mexico, endemic.
Dry flats: Zacatecas, San Luis Potosi, Aguascalientes, Hidalgo and Mexico.

CYMBOPOGON Spreng. Andropogoneae

About 60 species in the Old World tropics.

291. C. citratus (DC)Stapf
Introduced.
Persistent after cultivation: Nuevo Leon, Veracruz, Chiapas and Yucatan.

292. C. nardus (L.) Rendle
Introduced.
Persistent after cultivation: Nuevo Leon and Yucatan.

CYNODON L. Rich. Chlorideae

6 species, one pantropical, others African.

293. C. dactylon (L.)Pers.
Pantropical, native?
Common throughout Mexico.

294. C. plectostachyum (Schum.)Pilger
Introduced.
Persistent after cultivation: Nuevo Leon, Veracruz and Baja Sur.

DACTYLIS L. Festuceae
About 5 species, temperate, Old World.
295. D. glomerata L.
Introduced.
Persistent after or escaped from cultivation: Mexico, Puebla, Oaxaca and Chiapas.

DACTYLOCTENIUM Willd. Chlorideae
13 Old World species, subtropical.
296. D. aegyptium (L.) Willd.
Introduced.
Common weed throughout Mexico.

DANTHONIA Lam. & DC. Danthoneae
100 species, temperate, worldwide.
297. D. filifolia Hubbard
Mexico, endemic.
Pine savanna: Puebla (type loc.) and Chiapas.

DESCHAMPASIA Beauv. Aveneae
50 species, temperate, worldwide.
298. D. danthonioides (Trin.)Munro
Alaska to Baja California: Chile, native.
Moist places: Baja Norte only.
299. D. elongata (Hook.) Munro
Alaska to central Mexico; Chile, native.
Mt. slopes: Jalisco, Hidalgo, Mexico and Morelos.
300. D. flexuosa (L.)Trin.
Amphiatlantic, south in mountain to Mexico, native.
Mountain slopes: Chihuahua, Nuevo Leon.
301. D. liebmanniana (Fourn.)Hitchc.
Mexico, endemic.
Central mountains: Michoacan, Mexico and Puebla.
302. D. pringlei Scribn.
Mexico, endemic.
Sierra Madre: Sonora and Chihuahua south to Puebla.
303. D. straminea Hitchc.
Mexico, endemic.
Central mountains: Mexico and Puebla.

DICHANTHIUM Willemet Andropogoneae
10 species, Old World subtropics.
304. D. annulatum (Forsk.)Stapf
Introduced.
Cultivated and escaped: Tamaulipas and Quintana Roo.
305. D. aristatum (Poir.) C. E. Hubb.
Introduced.
Cultivated and escaped: Nuevo Leon and Tamaulipas.
306. D. sericeum (R.Br.)Camus
Introduced.
Cultivated and escaped: Tamaulipas.

DIECTOMIS HBK Andropogoneae
Two species in the Americas.
307. *D. fastigiata* (Sw.)HBK
(*Andropogon fastigiatus* Sw.)
Pantropical, native?
Thickets: Tamaulipas, Sonora, Nayarit, Jalisco, Colima, Michoacan, Mexico, Morelos, Guerrero, Oaxaca, Chiapas.
308. *D. laxa* Nees
(*D. angustata* Presl, *Andropogon angustata* (Presl)Steud.)
Cuba and Mexico, south to northern Brazil, native.
Pine savanna: Sinaloa south to Chiapas.

DIGITARIA Heist. Paniceae
300 species, worldwide, temperate and tropical.
309. *D. similis* Nom. Nov.
(*Trichachne affinis* Swallen, not *D. affinis* R. & S., 1917; not *D. affinis* Opiz, 1836.)
Mexico, endemic.
Brush: Nuevo Leon, Tamaulipas, San Luis Potosi, Tabasco, Quintana Roo.
310. *D. argillacea* (Hitchc. & Chase)Fern.
West Indies and Mexico, south to Panama.
Brush: Sonora, Nayarit, Michoacan south to Chiapas.
311. *D. argyrostachya* (Steud.)Fern.
Java, Sumatra, Bali, Celebes and Philippines. Introduced in West Indies. Reported for Mexico by John Reeder; Hidalgo, Guanajuato, Mexico and Michoacan.
Introduced?
312. *D. bicomis* (Lam.) R. & S.
(*D. diversiflora* Swallen)
(*D. chrysoblephara* Fig. & DeNot.)
Pantropical, introduced?
Mexico, a common weed at lower elevations.
313. *D. californica* (Benth.)Henr.
(*Trichachne californica* (Benth.)Chase)
U. S. south to Bolivia and Argentina.
Dry slopes: northern border states south to Puebla.
314. *D. cayoensis* Swallen
Mexico and British Honduras.
Brush: Yucatan.
315. *D. ciliaris* Retz.
(*D. adscendens* (HBK)Henr.)
Pantropical, native?
Common weed throughout Mexico.
316. *D. curtigluma* Hitchc.
Mexico to Panama.
Brush: Jalisco, Michoacan, Mexico, Puebla and Chiapas.
317. *D. distans* (Chase)Fernald
Mexico, endemic.
Pond margin: Jalisco.

318. *D. filiformis* (L.)Koeler
Eastern United States south to Mexico, native.
Weedy: Chihuahua, Coahuila, Durango, Zacatecas, Jalisco, Oaxaca and Chiapas.

319. *D. hitchcockii* (Chase)Stuckert
(*Trichachne hitchcockii* Chase)
Texas and New Mexico, native.
Dry slopes: Coahuila, Nuevo Leon, Tamaulipas and San Luis Potosi.

320. *D. horizontalis* Willd.
Pantropical, native?
Weedy: Sinaloa, Nayarit, Jalisco, Colima, Michoacan. Nuevo Leon, Tamaulipas, San Luis Potosi, Veracruz, Oaxaca, Chiapas, Yucatan and Quintana Roo.

321. *D. insularis* (L.)Mez
(*Trichachne insularis* (L.)Nees)
United States, Mexico, West Indies south to Argentina, native.
Brush: common throughout Mexico except for Baja California and the central mountains.

322. *D. leucites* (Trin.)Henr. var. *leucites*
Mexico and Guatemala, native.
Dry banks: Nuevo Leon, San Luis Potosi, Jalisco, Michoacan, Mexico, Morelos, Puebla, Veracruz and Chiapas.

322a. *D. leucites* var. *glabella*(Chase)Henr.
Mexico, endemic.
Dry banks: Veracruz and Michoacan.

323. *D. leucocoma* (Nash)Urban
Florida, West Indies and Mexico, native.
Dry banks: Mexico and Veracruz.

324. *D. patens* (Swallen)Henr.
(*Trichachne patens* Swallen)
Texas and northern Mexico, native.
Sandy soil: Sonora, Coahuila and Nuevo Leon.

315. *D. obtusa* Swallen
Southern Mexico to Guatemala, native.
Dry banks: Morelos, Veracruz, Oaxaca and Chiapas.

326. *D. pentzii* Stent. var. *minor* Stent.
(references to *D. decumbens*)
Introduced.
Persistent after cultivation: Tamaulipas, San Luis Potosi, Nayarit, Veracruz, Tabasco, Chiapas and Campeche.

327. *D. sanguinalis* (L.)Scop.
Pantropical, native?
Scattered localities in northern Mexico south to Queretaro.

328. *D. vidascens* Link.
Pantropical, native?
Weedy: Chiapas.

DISSANTHELIUM Trin. Aveneae

329. D. californicum (Nutt.)Benth.
Islands off the coast of California and Baja California, native.
Dry slopes: Baja California acc. to Hitchcock.
330. D. calycinum (Presl)Hitchc.
(D. sclerochloides Fourn.)
Bicentric: Mexico and Chile, native.
Dry slopes: Mexico and San Luis Potosi.

DISTICHLIS Raf. Eragrosteae
6 species in the Americas.
331. D. spicata (L.)Greene var. spicata
Coastal, Canada and U. S. to Central America, native.
Salt marshes: Tamaulipas, Veracruz, Tabasco, Yucatan, Quintana Roo and Chiapas.
331a. D. spicata var divaricata Beetle
California and Mexico, native.
Western salt deserts: Coahuila, San Luis Potosi and Jalisco west to Baja California.
331b. D. spicata var. mexicana Beetle
Mexico, endemic.
Central plains: alkaline soils, Durango and Coahuila south to Puebla.
331c. D. spicata var. stolonifera Beetle
California and Mexico, native.
West coast salt flats: Baja Norte and Sonora.
331d. D. spicata var stricta (Torr.)Beetle
U. S. and Mexico.
Interior salt flats: northern border states south to Puebla.

ECHINOCHLOA Beauv. Paniceae
20 species, subtropics and temperate, worldwide.
332. E. colonum (L.)Link
Pantropical, introduced?
Moist places: common throughout Mexico.
333. E. crusgalli (L.)Beauv.
Europe, U. S., Mexico. Introduced?
Weedy: occasional throughout Mexico.
334. E. cruspavonis (HBK)Schult.
Subtropics of the world, introduced?
Wet places: occasional throughout Mexico.
335. E. holciformis (HBK)Chase
Mexico and Guatemala, native.
Wet places: Durango, Jalisco, Guanajuato, Michoacan, Mexico.
336. E. muricata (Beauv.)Fern.
U. S. and northern Mexico, native.
Wet places: Sonora and Chihuahua.

337. E. oplismenoides (Fourn.)Hitchc.
Mexico, endemic.
Wet places: Chihuahua, Durango, Zacatecas and Mexico.
338. E. polystachya (HBK)Hitchc.
U. S., West Indies, south to Argentina, native.
Wet places: Sonora and Chihuahua, south to Campeche.
339. E. pyramidalis (Lam.)Hitchc. and Chase
Introduced.
Wet places: Campeche.
340. E. walteri (Pursh)Heller
U. S., Cuba, Mexico and Guatemala, native.
Wet places: Chihuahua, Coahuila, San Luis Potosi, Tabasco, Campeche.

ELEUSINE Gaertn. Chlorideae
Species about six, South America and Old World.
341. E. indica (L.)Gaertn.
Introduced
Weedy: common throughout Mexico.
341a. E. indica var. brachystachya Trin.
(including the cultivated E. corocana (L.)Gaertn.)
Introduced.
Weedy: Chihuahua, Jalisco, Michoacan, Mexico, Morelos and Yucatan.
342. E. multiflora Hochst. ex A.Rich.
Introduced.
Weedy: Sinaloa, Mexico, Tlaxcala, Puebla, Oaxaca and Chiapas.

ELYMUS L. Hordeae
75 species in temperate parts of the northern hemisphere.
343. E. canadensis L.
United States and northern Mexico, native.
Dry banks: Chihuahua, Coahuila and Nuevo Leon.
343a. E. canadensis var. villosus (Muhl.)Shinners
Canada to northern Mexico, native.
Dry banks: Nuevo Leon.
344. E. condensatus Presl
California and Baja California, native.
Coastal bluffs: Baja Norte.
345. E. pringlei Scribn. & Merr.
Mexico, endemic.
Dry banks: Coahuila, Nuevo Leon, San Luis Potosi, Puebla and Veracruz.
346. E. triticoides Buckl.
Washington and Montana south to Baja California, Arizona and Texas, native.
Coastal bluffs: Baja Norte.

ELYONURUS Humb. & Bonpl. Andropogoneae
Species about 15, subtropical and tropical, worldwide.
347. *E. candidus* (Trin.)Hack. var. *barbiculmis* (Hack.)Roberty
U. S. and northern Mexico, native.
Grasslands: Sonora, Chihuahua and Durango.
348. *E. tripsacoides* Humb. & Bonpl. var. *tripsacoides*
Mexico to Brazil, native.
Grasslands: Sinaloa, Michoacan and Veracruz.
348a.*E. tripsacoides* var. *ciliaris* (HBK)Hack.
Mexico south to Venezuela, native.
Grasslands: Chihuahua south to Chiapas.
348b.*E. tripsacoides* var. *sericeus* Hack.
Mexico, endemic.
Rare: Veracruz.

ENNEAPOGON Desv. Eragrosteae
35 species in the Old World, one in the Americas.
349. *E. desvauxii* Beauv.
U. S. south to Peru and Argentina, native.
Grasslands: northern border states south to Oaxaca.

ERAGROSTIS Host. Eragrosteae
200 species, temperate and tropical, worldwide.
350. *E. acutiflora* (HBK)Nees
Mexico to Brazil, native.
Pine savanna: Oaxaca.
351. *E. bahiensis* Schrad.
Mexico, Guatemala, Brazil, native.
Wet places: Chiapas and Tabasco.
352. *E. barrelieri* Dav.
Introduced.
Scattered localities throughout Mexico.
353. *E. cilianensis* (All.)Link
(including *E. major* Host.)
Introduced.
Scattered localities throughout Mexico.
354. *E. ciliaris* (L.)R.Br.
Pantropical, introduced?
Weedy: common throughout Mexico.
355. *E. curtipedicellata* Buckl.
U. S. to northern Mexico, native.
Sandy soil: Coahuila and Nuevo Leon.
356. *E. curvula* (Schrad.)Nees
Introduced.
Cultivated: Nuevo Leon
357. *E. diffusa* Buckl. var. *diffusa*
U. S., Mexico and Guatemala, native.
Weedy: common throughout Mexico.
357a.*E. diffusa* var. *arida*(Hitchc.)Beetle
Same distribution as var. *diffusa*.
Weedy: common in northern and central Mexico.

358. *E. diversiflora* Vasey
    Mexico, endemic.
    Coastal: Sinaloa, Colima and Revillagigedo Islands.
359. *E. domingensis* (Pers.)Steud.
    West Indies and Mexico south to Colombia, native.
    Coastal dunes: Veracruz, Chiapas, Tabasco, Campeche and Yucatan.
360. *E. ellioitti* S. wats.
    U. S., West Indies, Mexico and Honduras, native.
    Pine savanna: Tamaulipas, Michoacan, Veracruz, Chiapas and Quintana Roo.
361. *E. erosa* Scribn.
    U. S. and northern Mexico, native.
    Dry slopes: Coahuila and Nuevo Leon.
362. *E. glandulosa* Harvey
    Mexico and Guatemala, native.
    Weedy: Jalisco, Guerrero and Morelos.
363. *E. glomerata* (Walt.)L. H. Dewey
    U. S., Mexico south to Argentina, native
    Wet sandy soil: Colima, Guerrero and Morelos.
364. *E. glutinosa* (Sw.)Trin.
    West Indies and Mexico to Brazil, native.
    Weedy: Jalisco.
365. *E. hirsuta* (Michx.) Nees
    Southeastern U. S., Mexico to Central America, native.
    Pine savanna, Oaxaca and Tabasco.
366. *E. hirta* Fourn.
    Mexico and Central America, native.
    Rocky slopes: San Luis Potosi and Chiapas.
367. *E. hypnoides* (Lam.)B.S.P.
    (*Neeragrostis hypnoides* (Lam.)Bush)
    U. S. and West Indies, south to Argentina, native.
    Wet, sandy soil: Baja Sur; Tamaulipas and San Luis Potosi; Guerrero, Oaxaca, Chiapas, Veracruz, Tabasco.
368. *E. intermedia* Hitchc.
    U. S., Mexico and Guatemala, native.
    Rocky slopes: common throughout Mexico.
369. *E. lehmanniana* Nees
    Introduced.
    Cultivated: Chihuahua.
370. *E. limbata* Fourn.
    (*E. limbata* var. *major* Fourn.)
    Mexico, endemic.
    Weedy: northern border states south to Chiapas.
371. *E. longiramea* Swallen
    Mexico, endemic.
    Pine savanna: Tamaulipas.
372. *E. lugens* Nees
    United States and Mexico south to Argentina, native.
    Dry slopes: northern border states south to Chiapas.

373. E. lutescens Scribn.
United States and northern Mexico, native.
Weedy: reported for "Mexico" by Hitchcock, Man. Grasses U.S.

374. E. maypurensis(HBK)Steud.
Mexico to Bolivia and Brazil, native.
Weedy: Sinaloa and Durango south to Chiapas.

375. E. mexicana (Hornem.)Link
(including E. neomexicana Vasey)
U. S. and Mexico south to Brazil, native.
Pine savanna: northern border states south to Chiapas.

376. E. minor Host
(E. poaeoides Beauv.)
Introduced.
Weedy: Mexico, Puebla, Veracruz.

377. E. obtusiflora (Fourn.)Scribn.
Mexico, endemic.
Salt flats: Chihuahua, Coahuila, Nuevo Leon, Mexico and Veracruz.

378. E. orcuttiana Vasey
U. S. and northern Mexico, native.
Weedy: Baja Sur.

379. E. oreophila Harvey
Mexico, endemic.
Rocky slopes: Baja Sur, Coahuila, Nuevo Leon, Michoacan and Hidalgo (type loc.).

380. E. palmeri Wats.
Texas and northern Mexico, native.
Open slopes: northern border states except for Baja Norte.

381. E. pectinacea (Michx.)Nees
United States and Mexico, native.
Weedy: Coahuila and Zacatecas.

382. E. pilosa (L.)Beauv.
Introduced.
Weedy: common, northern border states south to Chiapas.

383. E. plumbea Scribn.
Mexico, endemic.
Dry slopes: Jalisco (type loc.), Colima, Michoacan, San Luis Potosi, Puebla, Veracruz.

384. E. pringlei Mattei
(including E. pusilla Scribn. and E. scribneriana Hitchc.)
Mexico, endemic.
Weedy: Chihuahua, Durango and Jalisco.

385. E. prolifera (Sw.)Steud.
(including E. excelsa Griseb. and E. gigantea Trin.)
West Indies, southern Mexico and Central America to Brazil, native.
Weedy: Michoacan, Veracruz and Quintana Roo.

386. E. reptans (Michx.)Nees
(including Neeragrostis reptans (Michx.)Nicora)
U. S. south to northern Mexico, native.
Wet, sandy soil: Baja Norte and Coahuila.
387. E. secundiflora Presl
(including E. beyrichii Smith and E. oxylepis (Torr.) Torr.)
U. S. and Mexico, native.
Weedy: Chihuahua (where cultivated); Tamaulipas south to the Yucatan Peninsula.
388. E. sessilispica Buckl.
U. S. and northern Mexico, native.
Sandy prairies: Chihuahua and Tamaulipas.
389. E. silveana Swallen
Texas and Mexico, native.
Sandy soils: "Cardenas, San Luis Potosi" acc. to Harvey.
390. E. simpliciflora (Presl)Steud.
Southern Mexico to Panama, native.
Weedy:"southern Mexico" acc. to Swallen: Grasses of Guatemala.
391. E. spectabilis (Pursh)Steud.
U. S., Mexico and British Honduras, native.
Weedy: "northeastern Mexico" acc. to Harvey.
392. E. spicata Vasey
Texas and Mexico, native.
Coastal: Tamaulipas and Baja Sur.
393. E. superba Peyr.
Introduced.
Cultivated: Chihuahua.
394. E. swalleni Hitchc.
Texas and Mexico, native.
Sandy soil: San Luis Potosi, Jalisco, Veracruz and Chiapas.
395. E. tenella (L.)Beauv.
(including E. amabilis L. and E. plumosa Link)
Pantropical, introduced?
Weedy: Baja Sur, Nayarit, Colima, Guerrero, Puebla, Veracruz, Oaxaca, Tabasco, Yucatan and Quintana Roo.
396. E. tephrosanthos Schult.
U. S., West Indies, south to Brazil, native.
Weedy: common throughout Mexico.
397. E. trichocolea Hack. and Arech.
U. S. and Mexico to Uruguay.
Sandy soil: Nuevo Leon, Puebla and Chiapas.
398. E. virescens Presl
Introduced.
Jalisco (based on an identification by Harvey).
399. E. viscosa (Retz.)Trin.
Introduced.
Sandy soil: Baja Norte, Baja Sur, Sinaloa, Durango, Guerrero and Chiapas.

400. E. yucatana Harvey
Mexico, endemic.
Sandy soil: Yucatan.

ERIANTHUS Michx., Andropogoneae
Twenty-five species, temperate & subtropical, worldwide.
401. E. giganteus (Walt.)Muhl.
(including E. saccharoides Michx.)
U. S., Cuba and Mexico, native.
Swamps: Mexico and Veracruz.
402. E. trinii Hack.
Mexico and South America, native.
Swamps: Nuevo Leon, San Luis Potosi, Veracruz and Chiapas.

ERIOCHLOA HBK Paniceae
Twenty-five species, subtropical, worldwide.
403. E. aristata Vasey
Mexico and Guatemala, native.
Wet places: common from Sonora and Chihuahua south to Chiapas.
404. E. boxiana Hitchc.
West Indies and Mexico, native.
Swamps: Yucatan.
405. E. lemmoni Vasey and Scribn. var. lemmoni
(including E. gracilis (Fourn.)Hitchc. var minor (Vasey) Hitchc.)
U. S. and northern Mexico, native.
Weedy: Chihuahua, Coahuila, Sinaloa, Jalisco and Colima.
405a. E. lemmoni var. gracilis (Fourn.)Gould
Same distribution as the species, native.
Weedy: northern border states south to Oaxaca.
406. E. nelsoni Scribn. & Smith
Mexico, Guatemala and Nicaragua, native.
Open slopes: Jalisco, Michoacan, Guerrero, Mexico, Morelos and Oaxaca (type loc.).
407. E. punctata (L.)Desv.
U. S., West Indies, Mexico south to Argentina, native.
Open slopes: Chihuahua, Coahuila and Nuevo Leon, south to Chiapas and Tabasco.
408. E. sericea (Scheele)Munro
U. S. and northern Mexico, native.
Grassland: Coahuila.

ERIOCHRYSIS Beauv. Andropogoneae
Nine species, 4 in America, four in Africa, one in India.
409. E. cayennensis Beauv.
Southern Mexico south to northern Argentina and Brazil, native.
Swamps: Oaxaca, Veracruz, Chiapas, Tabasco.

ERIONEURON Nash Eragrosteae
5 species, southwest U. S. and Mexico.

410. _E._ _avenaceum_ (HBK)Tateoka var. _avenaceum_
U. S. and Mexico, native.
Dry slopes: Coahuila and Nuevo Leon south to Oaxaca.

410a. _E._ _avenaceum_ var. _grandiflorum_ (Vasey)Gould
U. S. and Mexico, native.
Chihuahua, Coahuila and Nuevo Leon, Durango, Zacatecas and San Luis Potosi.

410b. _E._ _avenaceum_ (HBK)Tateoka var. _nealleyi_ (Vasey)Gould.
U. S. and Mexico, native.
Open range: Chihuahua, Coahuila, Nuevo Leon, Durango, Zacatecas and Queretaro.

411. _E._ _pilosum_ (Buckl.)Nash
U. S. and Mexico, native.
Open range: Chihuahua, Coahuila, Tamaulipas, Zacatecas, Aguascalientes, San Luis Potosi and Oaxaca.

412. _E._ _pulchellum_ (HBK)Tateoka
U. S. and Mexico, native.
Open range: northern border states south to Mexico.

EUCHLAENA Schrad. Andropogoneae
2 species in Mexico and Central America.

413. _E._ _mexicana_ Schrad.
Cultivated, endemic? (native of the Americas).
Cultivated: from Chihuahua south to Chiapas.

EUSTACHYS Desv. Chlorideae
12 species, tropics and subtropics, worldwide.

414. _E._ _petraea_ (Sw.)Desf.
U. S., West Indies, Mexico and Central America, native.
East coast, Nuevo Leon, Tamaulipas, Veracruz, Tabasco and the Yucatan Peninsula.

FESTUCA L. Festuceae
About 150 species, temperate, worldwide.

415. _F._ _amplissima_ Rupr.
Mexico and Central America, native.
High mountains: especially the central plateau, Sinaloa, Michoacan, Hidalgo, Mexico, Morelos, Guerrero, Puebla, Oaxaca and Chiapas.

416. _F._ _arizonica_ Vasey
(including _F._ _pinetorum_ Swallen)
U. S. and northern Mexico, native.
Pine savanna: Nuevo Leon.

417. _F._ _arundinacea_ Schreb.
Introduced.
Cultivated: Hidalgo, Mexico, Puebla.

418. _F._ _breviglumis_ Swallen
Mexico and Central America, native.
High forests: Chiapas.

419. F. glauca Lam.
Introduced.
Cultivated: Mexico.
420. F. hephaestophila Nees
Mexico, endemic.
Central mountains: Mexico and Puebla.
421. F. ligulata Swallen
Texas and northern Mexico.
Mountain slopes: Coahuila.
422. F. livida Willd.
(Helleria livida (HBK)Fourn.)
Mexico, endemic.
Central mountains: Mexico, Puebla and Veracruz.
423. F. mirabilis Piper
Mexico, endemic.
Mountain slopes: Chihuahua, San Luis Potosi (type loc.), Hidalgo and Mexico.
424. F. ovina L.
(including references to var. elliptica (Beal)Piper, var. callosa Piper, and var. brachyphylla(Schult.)Piper).
Circumboreal and south in the high mountains, native.
Mountain slopes: Chihuahua, Durango, Nuevo Leon and Puebla.
425. F. rosei Piper
Mexico, endemic.
Central mountains: Michoacan and Mexico.
426. F. rubra L.
Circumboreal and south in the high mountains, native.
Mountain slopes: Chihuahua and Mexico.
427. F. tolucensis HBK
Mexico and Central America, native.
Pine savanna: Chihuahua south to Chiapas.
428. F. wildenoviana Schult.
Mexico, endemic.
Central mountains: Guerrero, Mexico and Puebla.

FOURNIERA Scribn. Chlorideae
Monotypic
429. F. mexicana Scribn.
Mexico, endemic.
Ravine: Guerrero.

GASTRIDIUM Beauv. Agrostideae
4 or 5 species, Mediterranean.
430. Gastridium ventricosum (Gouan)Schinz & Thell.
Introduced.
Dry hills: Baja Norte.

GLYCERIA R. Br. Festuceae
35 species, temperate, worldwide.
431. G. fluitans (L.)R. Br.
Circumboreal and south in the high mountains, native.
Central mountains: Queretaro, Hidalgo and Mexico.
432. G. septentrionalis Hitchc.
Canada south to Mexico, native.
Wet places: reported by Hernandez-X for San Luis Potosi.
433. G. striata (Lam.)Hitchc.
Canada south to central Mexico, native.
Wet places: northern border states south to Chiapas.
433a. G. striata var mexicana Kelso
Mexico and Guatemala, native.
Wet places: Nuevo Leon.

GOUINIA Fourn. Chlorideae
13 species, subtropical, in the Americas.
434. G. guatemalensis (Hack.)Swallen
Mexico and Central America, native.
Brush: Chiapas, Campeche and Yucatan.
435. G. longiramea Swallen
Mexico, endemic.
Brush: Yucatan and Quintana Roo.
436. G. mexicana (Scribn.)Vasey
Mexico, endemic.
Brush: San Luis Potosi.
437. G. papillosa Swallen
Mexico, endemic.
Brush: Yucatan and Quintana Roo.
438. G. ramosa Swallen
Mexico, endemic.
Brush: Quintana Roo.
439. G. virgata (Presl)Scribn.
Mexico south to Peru, Bolivia and Brazil, native.
Brush: Sonora and Nuevo Leon south to Chiapas.

GYMNOPOGON Beauv. Chlorideae
15 species, subtropical, Americas.
440. G. spicatus (Spreng.)Kuntze
Mexico and West Indies south to Argentina, native.
Pine savanna: Veracruz and Chiapas.

GYNERIUM Willd. Arundineae
Monotypic.
441. G. sagittatum (Aubl.)Beauv.
Southern Mexico to Paraguay, native.
Thickets: Oaxaca, Veracruz, Chiapas and Tabasco.

HACKELOCHLOA Kuntze Paniceae
Monotypic.
442. H. granularis (L.)Kuntze
Pantropical, native?
Weedy: occasional throughout Mexico.

HEMARTHRIA R. Br. Andropogoneae
12 species, Old World, tropics and subtropics.
443. H. fasciculata (Lam.)Kunth.
(including H. altissima (Poir.)Stapf & Hubb.)
Introduced.
Open slopes: Coahuila, Nuevo Leon, San Luis Potosi, Mexico, Veracruz, Chiapas and Tabasco.

HETEROPOGON Pers. Andropogoneae
8 species, subtropics, worldwide.
444. H. contortus (L.)Beauv.
U. S., West Indies, and Mexico south to Argentina (native?), also in the Old World.
Weedy: common throughout Mexico.
445. H. melanocarpus (Ell.)Benth.
Pantropical, native?
Weedy: northern border states south to Chiapas.

HIEROCHLOE R. Br. Aveneae
Species 15-20, temperate, worldwide.
446. H. mexicana (Rupr.)Benth.
Mexico and Guatemala, native.
Pine savanna: Oaxaca (type loc.) and Chiapas.

HILARIA HBK Chlorideae
Six species, in the Americas.
447. H. belangeri (Steud.)Nash
U. S. south to central Mexico, native.
Grassland: northern border states south to Puebla and Guerrero.
447a. H. belangeri var. longifolia (Vasey)Hitchc.
Reported in both U. S. and Mexico.
Rocky hills, Sonora (type loc.).
448. H. cenchroides HBK
Mexico and Guatemala, native.
Open slopes: common from northern border states south to Chiapas.
449. H. ciliata (Scribn.)Nash
Mexico, endemic.
Open slopes: Sonora, Nayarit, San Luis Potosi, Jalisco (type loc.), Guerrero and Veracruz.
450. H. hintoni Sohns
Mexico, endemic.
Queretaro, Mexico and Guerrero.

451. H. mutica (Buckl.)Benth.
U. S. and northern Mexico, native.
Dry flats: Chihuahua, Coahuila, Nuevo Leon, Durango and Zacatecas.
452. H. rigida (Thurb.)Benth.
U. S. and northern Mexico, native.
Desert: Baja Norte, Sonora and Chihuahua.
453. H. semplei Sohns
Mexico, endemic.
Llanos, Michoacan (type loc.).
454. H. swalleni Cory
Texas and northern Mexico, native.
Grasslands: Chihuahua, Coahuila, Nuevo Leon, Durango, Zacatecas and San Luis Potosi.

HOLCUS L. Aveneae
About 8 species, Old World, temperate.
455. H. lanatus L.
Introduced.
Weedy: Puebla, Veracruz and Chiapas.

HOMOLEPIS Chase Paniceae
Three species in tropical America.
456. H. aturensis (HBK)Chase
Southern Mexico to Bolivia and Brazil, native.
Marshes: Oaxaca, Chiapas, Veracruz and Tabasco.

HORDEUM L. Hordeae
Twenty-five species, temperate, worldwide.
457. H. californicum Covas and Stebbins
Introduced.
Weedy: State of Mexico (Distr. Fed.)
458. H. glaucum Steud.
(including references to H. murinum L.)
Introduced.
Mediterranean: Baja Norte.
459. H. jubatum L.
Introduced.
Weedy: Coahuila, San Luis Potosi, Mexico and Puebla.
460. H. pusillum Nutt. var. pusillum
U. S. and northern Mexico, native.
Weedy: Baja Norte.
460a. H. pusillum var. pubens Hitchc.
U. S. and Northern Mexico, native.
Weedy: Coahuila.
461. H. stebbinsii Covas
Introduced.
Weedy: Baja California.
462. H. vulgare L.
Introduced.
Cultivated: scattered localities in northern Mexico.

HYMENACHNE Beauv. Paniceae
10 species, tropics, worldwide.

463. *H. amplexicaule* (Rudge)Nees
Mexico and West Indies south to Argentina, native.
Marshes: Sinaloa, Colima, Michoacan, Guerrero, Oaxaca, Veracruz, Chiapas and Tabasco.

HYPARRHENIA Andropogoneae
Seventy species, tropical and subtropical Africa, one in Americas.

464. *H. bracteata* (H.& B.)Stapf
Mexico to Brazil and Paraguay, native?
Marshes: Veracruz and Chiapas.
465. *H. dissoluta* (Nees)Hubbard
(*Hyparrhenia ruprechtii* Fourn.)
Introduced.
Rocky slopes : Sinaloa, Jalisco, Michoacan, Mexico, Chiapas and Yucatan.
466. *H. hirta* (Nees)Stapf
Introduced.
Cultivated: Nuevo Leon.
467. *H. rufa* (Nees)Stapf
Introduced.
Cultivated and escaped: Veracruz, Oaxaca, Chiapas, Tabasco and the Yucatan Peninsula.

ICHNANTHUS Beauv. Paniceae
About 50 species in the New World tropics, 2 in the Old World tropics.

468. *I. axillaris* (Nees)Hitchc. and Chase
Mexico and West Indies, south to Brazil, native.
Swamps: Chiapas.
469. *I. lanceolatus* Scribn. & Sm.
Mexico and British Honduras, native.
Brush: Yucatan Peninsula.
470. *I. mexicanus* Fourn.
Mexico and British Honduras, native.
Oak forest: Oaxaca.
471. *I. nemorsus* (Sw.)Doell.
West Indies and Mexico south to Panama,native.
Brush: San Luis Potosi, Hidalgo, Veracruz and Chiapas.
472. *I. pallens* (Sw.)Munro
(including *Panicum schlechtendalii monstrosum* Fourn. from Mirador, Veracruz).
Mexico and West Indies south to tropical S. America.
Brush: San Luis Potosi, Puebla, Veracruz, Oaxaca, Chiapas, Tabasco and Quintana Roo.
473. *I. standleyi* Hitchc.
Mexico and Central America, native.
Forest margin: Chiapas.

474. I. *tenuis* (Presl)Hitchc. and Chase
Mexico, Central America, south to Brazil, native.
Brush: Chiapas.

IMPERATA Cyrilla Andropogoneae
Ten species, subtropical, worldwide.
475. I. *brasiliensis* Trin.
Florida, Mexico, and south to Argentina, native.
Brush: Veracruz, Tabasco and Chiapas.
476. I. *brevifolia* Vasey
(I. *hookeri* Rupr.)
Texas to California and Mexico, native.
Brush: Baja Norte, Sonora, Chihuahua and Jalisco.
477. I. *contracta* (HBK)Hitchc.
Mexico and West Indies south to Brazil, native.
Grassland: Veracruz, Tabasco, Chiapas and Campeche.
478. I. *cylindrica* (L.)Beauv.
Introduced.
Cultivated or escaped: Chiapas, reported by Gould.

ISACHNE R. Br. Paniceae
Twenty-five species, tropics, worldwide.
479. I. *arundinacea* (Sw.)Griseb.
Mexico, Central America to Peru, native.
Pine savanna: Puebla, Veracruz, Oaxaca, Chiapas.
480. I. *pubescens* Swallen
Mexico and Guatemala, native.
Pine savanna, Veracruz.

ISCHAEMUM L. Paniceae
Fifty species, tropics, worldwide.
481. I. *latifolium* (Spreng)Kunth
Mexico and West Indies south to Brazil, native.
Weedy: Veracruz, Oaxaca, Chiapas and Campeche.

IXOPHORUS Schlecht. Paniceae
Monotypic.
482. I. *unisetus* (Presl)Schlecht.
(I. *pringlei* Scribn.)
Mexico, Cuba and Central America, Colombia and Venezuela, native.
Swamps: Sinaloa and Tamaulipas south to Chiapas.
JOUVEA Fourn. Eragrosteae
Two species, Mexico and Central America.
483. J. *pilosa* (Presl)Scribn.
Mexico and Central America, native.
Sand dunes: western coastal states; Tamaulipas, Yucatan.
484. J. *straminea* Fourn.
Mexico and Central America, native.
Salt marshes: west coast from Sinaloa to Chiapas.

KOELERIA Pers. Aveneae
Fifty species, temperate, worldwide.
485. K. californica (Domin)Beetle
U. S. and Mexico, native.
Dry slopes: northern border states south to Mexico and Tlaxcala.

LAMARCKIA Moench. Festuceae
Monotypic.
486. L. aurea (L.)Moench.
Introduced.
Weedy: Baja Norte.

LASIACIS (Griseb.)Hitchc. Paniceae
Thirty species in American tropics.
487. L. divaricata (L.)Hitchc.
Florida, West Indies, Mexico south to Argentina, native.
Tropical forest margin: Baja Sur, Sinaloa, Nuevo Leon, San Luis Potosi south to Yucatan Peninsula.
488. L. globosa Hitchc.
Mexico, endemic.
Tropical forest margin: Guerrero (type loc.) and Veracruz.
489. L. grisebachii (Nash)Hitchc.
Mexico, Cuba and Central America, native.
Tropical forest margin: Veracruz, Chiapas, Campeche and Quintana Roo.
490. L. lancifolia Swallen
Mexico, endemic.
Thickets: Yucatan.
491. L. oaxacensis (Steud.)Hitchc.
West Indies, Mexico, Central America, south to Peru, native.
Brush: Michoacan, Oaxaca, Veracruz and Chiapas.
492. L. papillosa Swallen
Mexico and Central America, native.
Brush: San Luis Potosi, Veracruz and the Yucatan Peninsula.
493. L. procerrima (Hack.)Hitchc.
Mexico to Peru and Brazil, native.
Brush: Sinaloa, Nayarit south to Chiapas.
494. L. rhizophora (Fourn.)Hitchc.
Mexico and Central America, native.
Thickets: Veracruz and Chiapas.
495. L. rugelii (Griseb.)Hitchc.
West Indies and Mexico, native.
Thickets: Yucatan.
496. L. ruscifolia (HBK)Hitchc.
(including L. compacta Hitchc. and L. liebmanniana Hitchc.)
West Indies, Mexico south to Peru and Argentina, native.

Brush: Sonora, Chihuahua and Nuevo Leon south to the Yucatan Peninsula.

497. L. scabrior Hitchc.
Mexico, Central America, Colombia and Ecuador, native.
Brush: Veracruz.

498. L. sloanei (Griseb.)Hitchc.
West Indies and Mexico, Central America, Colombia and Venezuela, native.
Brush: San Luis Potosi, Chiapas and Yucatan Peninsula.

499. L. sorghoidea (Desv.)Hitchc. and Chase
West Indies, Mexico, Central America south to Bolivia and Argentina, native.
Brush: Sonora, Jalisco, San Luis Potosi, Mexico, Oaxaca and Chiapas.

LEERSIA Sw. Oryzeae

Ten species, worldwide, aquatic.

500. L. distichophylla Bal. & Poit.
(L. grandiflora Prod.)
Mexico, south to northern Argentina, native.
Aquatic: Nuevo Leon south to Campeche.

501. L. hexandra Sw.
Pantropical, native?
Aquatic: Durango, Jalisco, south to Chiapas and Tabasco.

502. L. ligularis Trin.
Mexico, endemic.
Aquatic: Puebla, Veracruz and Yucatan (var. breviligularis).

503. L. monandra Sw.
U. S., West Indies and Mexico, native.
Aquatic: Nuevo Leon and Tamaulipas, San Luis Potosi, Tabasco and Yucatan.

504. L. oryzoides (L.) Sw.
Canada, U. S. and northern Mexico, native.
Aquatic: Nuevo Leon and Tamaulipas.

LEPTOCHLOA Beauv. Chlorideae

Seventy species, subtropical, worldwide.

505. L. aquatica Scribn.
Mexico, endemic.
Aquatic: Jalisco, Morelos (Type loc.) and Guerrero.

506. L. domingensis (Jacq.)Trin.
Mexico, endemic.
Swales: Tamaulipas, San Luis Potosi, south to Yucatan Peninsula.

507. L. dubia (HBK)Nees
U. S., Mexico and Argentina, native.
Swales: northern border states, south to Oaxaca.

508. L. fascicularis (Lam.)Gray
U. S. and Mexico, Central and South America, native.
Swales: common throughout Mexico.

509. L. filiformis (Lam.)Beauv.
U. S. south to Argentina, native.
Swales, weedy: common throughout Mexico.
510. L. nealleyi Vasey
U. S. and Mexico, native.
Swales: Tamaulipas, Veracruz and Yucatan.
511. L. panicoides (Presl)Hitchc.
U. S., Mexico and Brazil, native.
Swales: Sonora, Sinaloa, Nayarit, Colima, Guerrero, Morelos, Oaxaca and Tabasco.
512. L. scabra Nees
U. S., Mexico, West Indies, south to Brazil, native.
Swales: Sonora, Sinaloa, Michoacan, Chiapas and Tabasco.
513. L. uninervia (Presl)Hitchc. and Chase
U. S., Mexico, West Indies, south to Argentina, native.
Swales: Baja Norte, Baja Sur, Sonora, Sinaloa, Jalisco, Guanajuato and Oaxaca.
514. L. virgata (L.)Beauv.
U. S., Mexico, West Indies, south to Argentina, native.
Swales: Tamaulipas and San Luis Potosi, south to Yucatan Peninsula.
515. L. viscida (Scribn.)Beal
U. S. and northern Mexico, native.
Weedy: Baja Sur, Sonora, Sinaloa and Chihuahua.

LEPTOCORYPHIUM Nees Paniceae
One or two species in tropical America.
516. L. lanatum (HBK)Nees
West Indies, Mexico, Central America to Argentina, native.
Pine savanna: Chiapas, Veracruz and Tabasco

LEPTOLOMA Chase Paniceae
Four species, one North America, three in Australia.
517. L. cognatum (Schultes)Chase
Canada, U. S. and northern Mexico, native.
Sandy soil: Chihuahua, Coahuila, Nuevo Leon, Durango, Zacatecas and San Luis Potosi.

LIMNODEA Dewey Agrostideae
Monotypic
518. L. arkansana (Nutt.)Dewey
U. S. and northern Mexico, native.
Grassland: Coahuila.

LITHACHNE Beauv. Olyreae
Four species, tropical America.
519. L. pauciflora (Sw.)Beauv.
West Indies and Mexico south to Argentina, native.
Tropical forest: San Luis Potosi, Veracruz and Chiapas.

LOLIUM L. Festuceae
Fifteen species, temperate, Old World.
520. *L. multiflorum* Lam.
Introduced.
Weedy: scattered localities throughout Mexico.
521. *L. perenne L.*
Introduced.
Cultivated and escaped: scattered localities throughout Mexico.

LUZIOLA Juss. Zizanieae
Eight species in tropical America.
522. *L. peruviana* Gmel.
Mexico, Cuba, south to Argentina, native.
Marshes: Jalisco, Queretaro, Mexico, Veracruz, Chiapas and Tabasco.

LYCURUS HBK Eragrosteae
Six species, temperate and subtropical America.
523. *L. phleoides* HBK var. *phleoides*
U. S. and Mexico, native.
Grassland: northern border states south to Chiapas.
523a. *L. phleoides* var. *glaucifolium* Beal
U. S. and Mexico, native.
Grassland: Sonora and Chihuahua.

MATUDACALAMUS Maekawa Bambusoideae
Monotypic
524. *M. laxus* Maekawa
Mexico, endemic.
Tropical forest margin: Chiapas (type loc.).

MELICA L. Meliceae
Sixty species, temperate, worldwide.
525. *M. frutescens* Scribn.
California and Baja California, native.
Brush: Baja Norte.
526. *M. imperfecta* Trin.
California and Baja California, native.
Brush: Baja Norte.
527. *M. montezumae* Piper
(including *M. alba* Hitchc.)
Texas and northern Mexico, native.
Rocky slopes: Chihuahua, Coahuila and Nuevo Leon.
528. *M. mutica* Walt.
U. S. and northern Mexico, native.
Moist woods: Coahuila.
529. *M. nitens* (Scribn.)Nutt.
U. S. and northern Mexico, native.
Woods and grasslands: Coahuila and Nuevo Leon.

530. *M. porteri* Scribn.
U. S. and northern Mexico, native.
Grassland: Chihuahua.

MELINIS Beauv. Melinideae
Fifteen species in Africa.
531. *M. minutiflora* Beauv.
Introduced.
Roadsides: Michoacan, Mexico, Puebla, Veracruz, Chiapas and Tabasco.

MESOSETUM Steud. Paniceae
Thirty species, American tropics, mostly Brazil.
532. *M. pittieri* Hitchc.
Mexico and Central America, native.
Pine savanna: Oaxaca and Chiapas.

533. *M. tabascoense* Beetle
Mexico, endemic.
Tropical forest margin: Tabasco.

METCALFIA Conert Festuceae
Monotypic
534. *M. mexicana* (Scribn.)Conert
Mexico, endemic.
Pine savanna: Coahuila, Nuevo Leon, San Luis Potosi, Puebla and Chiapas.

MICROCHLOA R. Br. Chlorideae
Five or 6 species, tropics, worldwide.
535. *M. kunthii* Desv.
Mexico, Central America and S. America, native.
Rocky ground: Baja California and Chihuahua south to Oaxaca.

MONANTHOCHLOE Engelm. Aeluropodeae
Three species in the Americas.
536. *M. littoralis* Engelm.
U. S., Cuba and Mexico, native.
Baja Norte, Baja Sur, Sonora, Sinaloa, Coahuila, Tamaulipas, Chiapas and Yucatan.

MUHLENBERGIA Schreb. Eragrosteae
One hundred sixty species, centered in Mexico, but worldwide.
537. *M. alamosae* Vasey
Mexico, endemic.
Open slopes: Baja Norte, Sonora, Chihuahua, Sinaloa, Durango, Jalisco and Morelos.

538. *M. alta* Hitchc.
Mexico, endemic.
Open slopes: Jalisco.
539. *M. angustifolia* Swallen
Mexico, endemic.
Open slopes: Jalisco.
540. *M. annua* (Vasey)Swallen
Mexico, endemic.
Open slopes, Chihuahua.
541. *M. appressa* Gooding
Arizona and Mexico, native.
Open slopes: Baja Sur.
542. *M. arenacea* (Buckl.)Hitchc.
U. S. and northern Mexico, native.
Sandy soils: Sonora, Chihuahua, Coahuila and Zacatecas.
543. *M. arenicola* Buckl.
U. S. and northern Mexico, native.
Sandy soil: Chihuahua, Coahuila, Nuevo Leon, Durango, Zacatecas and San Luis Potosi.
544. *M. argentea* Vasey
Mexico, endemic.
Open slopes: Chihuahua.
545. *M. arizonica* Scribn.
U. S. and northern Mexico, native.
Open slopes: Sonora, Chihuahua, Coahuila, Sinaloa and Durango.
546. *M. arseni* Hitchc.
U. S. and northern Mexico, native.
Open slopes: Baja Norte.
547. *M. articulata* Scribn.
Mexico, endemic.
Gypsum soils: San Luis Potosi, Guanajuato and Hidalgo.
548. *M. asperifolia* (Nees and Mey.)Parodi
Bicentric, Canada, U. S. and Mexico; also southern Argentina, native.
Moist flats: Baja Norte, Chihuahua, Coahuila, Durango and San Luis Potosi.
549. *M. biloba* Hitchc.
Mexico, endemic.
Open slopes: Chihuahua and Durango.
550. *M. brandegei* Reeder
Mexico, endemic.
Desert: Baja Sur.
551. *M. brevifolia* Scribn.
Mexico, endemic.
Open slopes: Jalisco
552. *M. breviligula* Hitchc.
Mexico and Central America, native.
Pine savanna: "Southern Mexico", acc. Swallen, cf. Grasses of Guatemala.

553. *M. brevis* Gooding
U. S. and Mexico, native.
Swales: Chihuahua, Durango, Zacatecas, San Luis Potosi
and Mexico.
554. *M. breviseta* Griseb.
Mexico, endemic.
Brush: Jalisco, Michoacan, Mexico and Veracruz
(type loc.: Orizaba).
555. *M. capillaris* ILam.)Trin.
U. S., West Indies and Mexico, native.
Woodlands: Chihuahua, Mexico, Chiapas and Quintana Roo.
556. *M. ciliata* (HBK)Kunth
Mexico, Central America, Ecuador and Peru, native.
Open slopes: Sonora and Chihuahua south to Chiapas.
557. *M. confusa* (Fourn.)Swallen
Mexico and Guatemala ,native.
Open slopes: northern border states south to Chiapas.
558. *M. crispiseta* Hitchc.
Mexico, endemic.
Open slopes: Chihuahua, Durango and San Luis Potosi.
559. *M. curvula* Swallen
Mexico, endemic.
Oak woods: Guanajuato (type loc.) and San Luis Potosi.
560. *M. decumbens* Swallen
Mexico, endemic.
Sandy soil: Chihuahua.
561. *M. depauperata* Scribn.
(*M. schaffneri* Scribn.)
U. S. and Mexico, native.
Open slopes: Chihuahua and Coahuila south to Mexico.
562. *M. distans* Swallen
Mexico and Guatemala, native.
Open slopes: Durango, Zacatecas, San Luis Potosi
south to Chiapas.
563. *M. distichophylla* (Presl)Kunth
Mexico, endemic.
Jalisco south to Chiapas.
564. *M. diversiglumis* Trin.
(*M. trinii* Fourn.)
Mexico, Central America, Colombia and Venezuela to
Peru, native.
Oak brush: Sinaloa south to Chiapas.
565. *M. dubia* Fourn.
(*M. acuminata* Vasey)
U. S. and Mexico, native.
Pine savanna: Chihuahua, Coahuila and Nuevo Leon south
to Mexico and Veracruz.
566. *M. dubioides* Gooding
U. S. and northern Mexico, native.
Canyons: Coahuila.

567. *M. dumosa* Scribn.
(*M. dumosa* var. *minor* Scribn.)
U. S. and Mexico, native.
Canyons: Sonora and Chihuahua south to Michoacan.

568. *M. elongata* Scribn.
Mexico, endemic.
Open slopes: Sonora and Chihuahua; also Mexico acc. to Matuda.

569. *M. eludens* C. Reeder
U. S. and northern Mexico, native.
Rocky woods: Chihuahua and Durango.

570. *M. emersleyi* Vasey
Southwestern U. S. to Panama, native.
Pine-oak forests: northern border states south to Chiapas.

571. *M. eriophylla* Swallen
Mexico, endemic.
Oak woods: Mexico.

572. *M. filiformis* (Thurb.)Rydb. var. *fortis* Kelso.
U. S. and Mexico, native.
Swales: Durango.

573. *M. firma* Beal
(*M. densiflora* Scribn. & Merr.)
Mexico, endemic.
Pine savanna: Coahuila, San Luis Potosi south to Oaxaca (type loc.).

574. *M. flavida* Vasey
Mexico, endemic.
Open slopes: Chihuahua, Jalisco and Hidalgo.

575. *M. flaviseta* Scribn.
Mexico, endemic.
Pine savanna: Durango.

576. *M. fragilis* Swallen
U. S. and Mexico, native.
Open ground: Chihuahua, Coahuila, Aguascalientes, Guanajuato and Chiapas.

577. *M. gigantea* (Fourn.) Hitchc.
Mexico, endemic.
Pine savanna:Sinaloa and Durango south to Chiapas.

578. *M. glabrata* (HBK)Kunth
Mexico, endemic.
Pine savanna: San Luis Potosi, Guanajuato (type loc.) and Mexico.

579. *M. glauca* (Nees)Mez
(*M. huahuacana* Vasey)
U. S. and northern Mexico, native.
Pine savanna: Chiahua and Coahuila south to Mexico.

580. *M. goodingii* Socerstom
Arizona and Sonora, native.
Desert: Sonora.

581. M. gradis Vasey
Mexico, endemic.
Canyon: Sonora south to Jalisco.
582. M. gypsophila Reeder and Reeder
Mexico, endemic.
Gypsophorous soils: Coahuila, Nuevo Leon and San Luis Potosi.
583. M. hintoni Swallen
Mexico, endemic.
Central mountains: Mexico.
584. M. implicata (HBK)Kunth
(M. erecta Presl)
Mexico, Central America to Colombia and Venezuela, native.
Wet banks: Chihuahua south to Chiapas.
585. M. iridifolia Soderstrom
Mexico, endemic.
Pine savanna: Jalisco.
586. M. leptoura (Piper)Hitchc.
Mexico, endemic.
Pine savanna: Chihuahua.
587. M. lindheimeri Hitchc.
Texas and Coahuila, native.
Limestone: Coahuila.
588. M. longiglumis Vasey
Mexico, endemic.
Pine savanna: Aguascalientes, Jalisco and Michoacan.
589. M. longiligula Hitchc.
U. S. and Mexico, native.
Canyons: Sonora, Chihuahua, Coahuila, Nuevo Leon and Durango.
590. M. lucida Swallen
Mexico, endemic.
Pine savanna: Chihuahua.
591. M. macrotis (Piper)Hitchc.
Mexico, endemic.
Pine savanna: Sinaloa and Durango south to Chiapas.
592. M. macroura (HBK)Hitchc.
Mexico and Guatemala, native.
Open slopes: Chihuahua and Nuevo Leon south to Chiapas.
593. M. matudae Sohns
Mexico, endemic.
Pine savanna: Morelos.
594. M. microsperma (DC)Kunth
U. S., Mexico, Colombia and Venezuela to Peru, native.
Moist banks: Baja California, Sonora and Chihuahua south to Chiapas.
595. M. minutissima (Steud.)Swallen
(M. texana Buckl.)
U. S. and Mexico, native.
Moist banks: Baja Norte & Chihuahua south to Mexico and Tlaxcala.

596. *M. montana* (Nutt.)Hitchc.
(*M. enermis* (Scribn.)Hitchc., *M. gracilis* var. *breviaristata* Vasey, and *M. gracilis* var *major* Vasey)
U. S., Mexico and Guatemala, native.
Pine savanna: Sonora, Chihuahua and Coahuila south to Oaxaca.

597. *M. mutica* (Rupr.)Hitchc.
Mexico, endemic.
Pine savanna: Veracruz and Chiapas.

598. *M. nigra* Hitchc.
Mexico and Guatemala, native.
Pine savanna: Mexico and Chiapas.

599. *M. palmeri* Vasey
Mexico, endemic.
Pine savanna: Chihuahua.

600. *M. Parviglumis* Vasey
U. S., Cuba and Mexico, native.
Rocky slopes: Chihuahua, Coahuila, Nuevo Leon and San Luis Potosi.

601. *M. pauciflora* Buckl
(*M. neomexicana* Vasey and *M. pringlei* Scribn.)
U. S. and northern Mexico, native.
Rocky slopes: Sonora, Chihuahua, Coahuila and Nuevo Leon.

602. *M. pectinata* C. Gooding
Arizona and Mexico, native.
Rocky slopes: Sonora, Chihuahua, Durango and Jalisco.

603. *M. plumbea* (Trin.)Hitchc.
Mexico, endemic.
Central mountains: Mexico and Puebla.

604. *M. polycaulis* Scribn.
U. S. and Mexico, native.
Rocky slopes: Sonora and Chihuahua south to Hidalgo.

605. *M. porteri* Scribn.
U. S. and Mexico, native.
Brush: Sonora, Chihuahua, Coahuila, Nuevo Leon and Durango.

606. *M. presliana* Hitchc.
Mexico and Guatemala, native.
Pine savanna: Chiapas.

607. *M. pubescens* (HBK)Hitchc.
Mexico, endemic.
Pine savanna: Chihuahua, Coahuila and Nuevo Leon south to Chiapas.

608. *M. pubigluma* Swallen
Mexico, endemic.
Canyons: Coahuila and Nuevo Leon.

609. *M. pulcherrima* Scribn.
Arizona and Mexico, native.
Pine savanna: Chihuahua, Durango and Morelos.

610. M. purpusii Mez
Mexico, endemic.
Gypsum soils: San Luis Potosi.

611. M. pusilla Steud.
(M. bourgaei Fourn. and refs to M. peruviana)
Mexico and Guatemala, native.
Mountain meadows: Sonora and Chihuahua south to Chiapas.

612. M. quadridentata (HBK)Kunth
(M. anomala Fourn. and M. gracilis (HBK)Kunth)
Mexico and Guatemala, native.
Pine savanna: Jalisco south to Chiapas.

613. M. ramulosa (HBK)Swallen
Mexico to Costa Rica, native.
Meadows: Sonora, Baja Sur, Jalisco and San Luis Potosi, south to Chiapas.

614. M. reederorum Soderstrom
Mexico, endemic.
Canyons: Durango, Jalisco.

615. M. repens (Presl)Hitchc.
U. S. and Mexico, native.
Sandy soil: northern border states south to Chiapas.

616. M. richardsonis (Trin.)Rydb.
Canada south to Mexico, native.
Meadows: northern border states south to Puebla.

617. M. rigens (Benth.)Hitchc.
(M. mundula Johnston)
U. S. and Mexico, native.
Canyons: northern border states south to Puebla.

618. M. rigida (HBK)Kunth
(M. affinis Trin., M. berlandieri Trin., M. elegans (HBK)Kunth, M. laxiflora Scribn. and M. mucronata (HBK) Kunth)
U. S. and Mexico, native.
Canyons: northern border states south to Chiapas.

619. M. robusta (Fourn.)Hitchc.
(M. fournieriana Hitchc.)
Mexico, endemic.
Oak-pine savanna: Sonora and Chihuahua south to Chiapas.

620. M. schmitzii Hack.
(M. diehlii Jones)
Mexico, endemic.
Pine savanna: Chihuahua, Hidalgo and Mexico.

621. M. schreberi Gmel.
(M. botteri Fourn.)
U. S. and Mexico, native.
Woods: Hidalgo and Veracruz.

622. M. scoparia Vasey
(M. carinata Mez)
Mexico, endemic.
Pine savanna: Sonora and Chihuahua south to Michoacan.

623. M. seatoni Scribn.
Mexico, endemic.
Pine savanna: Puebla.

624. M. setarioides Fourn.
(M. polygonoides Hack.)
Mexico and Central America, native.
Pine savanna: Veracruz and Chiapas.

625. M. setifolia Vasey
Texas, New Mexico and northern Mexico, native.
Calcareous soil: Chihuahua, Coahuila and San Luis Potosi.

626. M. shepherdi (Vasey)Swallen
Mexico, endemic.
Ledges: Chihuahua and Durango.

627. M. sinuosa Swallen
U. S. and Mexico, native.
Moist slopes: Sonora and Chihuahua.

628. M. speciosa Vasey
Mexico, endemic.
Pine savanna: Chihuahua south to Puebla.

629. M. spiciformis Trin.
(M. acutifolia Fourn.)
Mexico, endemic.
Pine savanna: San Luis Potosi, Michoacan, Hidalgo, Veracruz, Oaxaca and Chiapas.

630. M. stricta (Presl)Kunth
(M. elata Vasey, M. longifolia Vasey)
Mexico, endemic.
Pine savanna: Durango, Nayarit, Jalisco, Colima, Michoacan, Mexico, Morelos and Veracruz.

631. M. strictior Scribn.
Mexico, endemic.
Pine savanna: Chihuahua, Durango and Mexico.

632. M. subaristata Swallen
Mexico, endemic.
Canyon: Durango.

633. M. subbiflora Hitchc.
Mexico, endemic.
Moist slopes: Durango.

634. M. tenella (HBK)Trin.
(M. exilis Fourn. and M. sprengelii Trin.)
Mexico to Panama.
Moist slopes: Sonora and Chihuahua south to Chiapas.

635. M. tenuifolia (HBK)Trin.
(M. longiseta Benth., M. monticola Buckl., M. quitensis (HBK)Hitchc.)
Mexico, endemic.
Northern border states south to Oaxaca.

636. M. tenuissima (Presl)Kunth
(M. nebulosa Scribn.)
Mexico and Panama, native.
Moist slopes: Nayarit, Jalisco and Colima.

637. M. torreyi (Kunth)Hitchc.
U. S. and northern Mexico, native.
Grasslands: Sonora and Chihuahua.
638. M. utilis (Torr.)Hitchc.
U. S. and Mexico, native.
Grasslands: Chihuahua, Sonora, Durango and Mexico.
639. M. vaginata Swallen
Mexico and Guatemala, native.
Meadows: Sinaloa, Durango, Michoacan, Mexico and Hidalgo.
640. M. versicolor Swallen
Mexico, endemic.
Pine savanna: Guanajuato south to Chiapas.
641. M. villiflora Hitchc.
Mexico, endemic.
Gypsum soils: Coahuila, Nuevo Leon, Zacatecas, San Luis Potosi and Hidalgo.
642. M. virescens (HBK)Kunth
(M. straminea Hitchc.)
New Mexico and Arizona south to Mexico, native.
Canyons: northern border states south to Michoacan.
643. M. virletii (Fourn.) Soderstrom
Mexico, endemic.
High plains: Durango south to Puebla.
644. M. watsoniana Hitchc.
(M. scabra Wats.)
Mexico, endemic.
Desert: San Luis Potosi.
645. M. wolfii (Vasey)Rydb.
U. S. and Mexico, native.
Pine savanna: Chihuahua and Durango.
646. M. wrightii Vasey
U. S. and Mexico, native.
Grasslands: Baja Norte and Chihuahua.
647. M. xanthodes Soderstrom
Mexico, endemic
Pine savanna: Chiapas.

MUNROA Torr. Eragrosteae
One species in western N. America and two in Argentina.
648. M. squarrosa (Nutt.)Torr.
Canada, U. S. and Mexico, native.
Grassland: Chihuahua.

NEYRAUDIA Hook. f. Arundineae
Small,Old World genus.
649. N. reynaudiana (Kunth)Keng.
Introduced.
Cultivated or escaped: Veracruz.

OLYRA L. Olyreae

25 species in the American tropics, one in Africa.

650. O. cordifolia HBK
Southern Mexico, Venezuela to Paraguay, native.
Tropical forest margin: Chiapas.

651. O. latifolia L.
Florida, Mexico and West Indies south to Brazil and northern Argentina, native.
Tropical forest margin: San Luis Potosi, Michoacan, Veracruz, Oaxaca, Chiapas, Tabasco and Yucatan.

652. O. yucatana Chase
Mexico, Guatemala and British Honduras, native.
Tropical forest margin: San Luis Potosi, Oaxaca, Chiapas and the Yucatan Peninsula.

OPIZIA Presl Chlorideae

Monotypic

653. O. stolonifera Presl
Cuba and Mexico, native.
Dry slopes and flats: Jalisco south to Yucatan.

OPLISMENUS Beauv. Paniceae

Ten species, tropics, worldwide.

654. O. burmanni (Retz.)Beauv.
(O. cristatus Presl, O. affinis Presl)
Pantropical, introduced?
Weedy: Sonora and Baja Sur south to the Yucatan Peninsula.

655. O. hirtellus (L.)Beauv.
Mexico and West Indies south to Argentina, native.
Forest margin: northern border states south to Yucatan Peninsula.

656. O. rariflorus Presl
(O. thiebauti Fourn.)
Southern Mexico south to Peru, native.
Pine savanna: Sinaloa south to Chiapas.

657. O. setarius (Lam.)R. & S.
U. S., West Indies and Mexico south to northern Argentina, native.
Forests: Nuevo Leon south to Quintana Roo.

ORCUTTIA Vasey Festuceae

Five species in California and Baja California.

658. O. californica Vasey
California and Baja California, native.
Vernal pools: Baja Norte

659. O. fragilis Swallen
Mexico, endemic.
Vernal pool: Baja Sur.

ORTHOCLADA Beauv. Eragrosteae
Monotypic.
660. *O. laxa* (L. Rich.)Beauv.
(*O. rariflora* Beauv.)
Mexico, south to Peru and Brazil, native.
Tropical forest margin: Oaxaca, Veracruz, Chiapas and Tabasco.

ORYZA L. Oryzeae
Twenty-nine species, pantropical.
661. *O. alta* Swallen
Mexico to Paraguay, native.
Aquatic: Tabasco.
662. *O. latifolia* Desv.
Mexico and West Indies south to Paraguay and Brazil, native.
Aquatic: Sinaloa, Colima, Oaxaca and Chiapas.
663. *O. perennis* Moench.
West Indies, Mexico, Brazil, native.
Aquatic: Chiapas.
664. *O. sativa* L.
Introduced.
Cultivated: Colima, Chiapas, and other states.

ORYZOPSIS Michx. Stipeae
Twenty species, temperate, worldwide.
665. *O. florulenta* Pilger
Mexico to Colombia, native.
Central mountains: Mexico, Tlaxcala and Puebla.
666. *O. hymenoides* (R. & S.)Ricker
U. S. and Mexico, native.
Sandy soil: Baja Norte.

PANICUM L Paniceae
Probably 500 species, pantropical and subtropical, occasionally temperate.
667. *P.* (*Dichanthelium*) *albomaculatum* Scribn.
Mexico and Guatemala, native.
Rocky hills: Jalisco, Michoacan and Mexico.
668. *P. amarulum* Hitchc. (# Virgata)
U. S., Bahamas, Cuba and Mexico, native.
Coastal dunes: Veracruz, Tabasco, Campeche and Quintana Roo.
669. *P. amarum* Ell. (# Virgata)
U. S. and West Indies and Mexico.
Coastal dunes: "eastern coast of Mexico" acc. to Gould: Grasses of Texas.
670. *P.* (*Dichanthelium*) *angustifolium* Ell.
U. S., Mexico and Nicaragua, native.
Pine savanna: Chiapas.

671. P. antidotale Retz. (# Maxima)
Introduced.
Cultivated and escaped: scattered localities throughout Mexico.

672. P. aquaticum Poir.
Mexico, Central America and South America, native.
Aquatic: Colima.

673. P. (Dichanthelium) arenicoloides Asche
(P. orthophyllum Ashe)
U. S., Cuba, Mexico, Central America and Colombia and Venezuela, native.
Pine-oak savannas: Chiapas.

674. P. (Brachiaria) arizonicum Scribn. & Merr.
U. S. and Mexico, native.
Sandy soil: Baja California, Sonora, Chihuahua and Coahuila, Sinaloa, Durango, Oaxaca and Chiapas.

675. P. arundinariae Trin. (# Parviglumia)
(P. virgultorum Hack.)
Mexico to Panama, native.
"Southern Mexico" according to Swallen: Grasses of Guatemala. Also reported for San Luis Potosi by Hernandez-X; Veracruz.

676. P. bartlettii Swallen (# Trichoidea)
Mexico, Guatemala and British Honduras, native.
Moist woods: San Luis Potosi, Veracruz, Oaxaca, Chiapas, Campeche and Quintana Roo.

677. P. biglandulare Scribn. & Smith (# Stolonifera)
Mexico and Guatemala, native.
Pine-oak savanna: Guerrero, Oaxaca and Chiapas.

678. P. boliviense Hack.
Mexico to Argentina, native.
Woods: Tamaulipas, San Luis Potosi, Veracruz, Oaxaca, Chiapas and Tabasco.

679. P. breviramosum Swallen
Mexico and Guatemala, native.
Pine savanna: Chiapas, acc. to Gould.

680. P. bulbosum HBK (# Maxima)
(P. bulbosum var. minor Vasey)
U. S., Mexico, Guatemala, Colombia, Ecuador, native.
Brush: throughout Mexico except for Baja California and the Yucatan Peninsula.

681. P. (Dichanthelium) caerulescens Hack.
U.S., Cuba and Mexico, native.
Marshes: Quintana Roo.

682. P. capillare L. (# Capillaria)
U. S. and Mexico, native.
Weedy: Sonora.

683. P. capillarioides Vasey (# Diffusa)
Grassland: Texas and northern Mexico, native.
Sandy soil: Nuevo Leon, Tamaulipas and San Luis Potosi.

684. *P. cayennense* Lam. (# Capillaria)
(*P. pedunculare* Willd.)
Mexico and West Indies to Panama and northern S. America, native.
Stream bottoms: Chiapas.

685. *P.* (*Dichanthelium*) *ciliatum* Ell.
U. S. and Mexico, native.
Coastal plain: "Mexico" acc. to Hitchcock: Man. Grasses of U. S.

686. *P. coloratum* L.
Introduced.
Cultivated: Sonora.

687. *P.* (*Dichanthelium*) *commutatum* Schult.
U. S. and Mexico.
Brush: Chiapas (acc. to Gould).

688. *P. condensum* Nash (# Agrostoidia)
U. S., West Indies and Mexico, native.
Swamps: Veracruz and Coahuila.

689. *P. cordovense* Fourn.
(*Ichnanthus apiculatus* Scribn.)
Mexico, endemic.
Brush: Veracruz.

690. *P. cupreum* Hitchc. & Chase (# Laxa)
Mexico, endemic.
Brush: Mexico (type loc.) and Durango.

691. *P. cyanescens* Nees
Mexico, Central America to Peru and Brazil, native.
Stream bottoms: Chiapas and Tabasco.

692. *P. decolorans* HBK (# Capillaria)
(*P. parcum* Hitchc. & Chase)
Mexico and Central America, native.
Brush: Sinaloa, Coahuila, San Luis Potosi, south to Chiapas.

693. *P. dichomiflorum* Michx. (# Dichotomiflora)
Canada, U. S., and West Indies, Mexico, native.
Weedy: Durango (acc. to Chase).

694. *P. diffusum* Sw. (# Diffusa)
U. S. and West Indies, Mexico to Brazil, native.
Weedy: "eastern Mexico" acc. to Gould: Grasses of Texas.

695. *P.* (*Dichanthelium*) *ensifolium* Baldw.
U. S. and Mexico, native.
Bogs: Chihuahua, Hidalgo and Chiapas.

696. *P. fasciculatum* Sw. (# Fasciculata)
(*P. fasciculatum* var. *reticulatum* (Torr.)Beal)
U. S., West Indies, Mexico south to Brazil, native.
Weedy: common throughout Mexico.

697. *P. frondescens* Meyer (# Stolonifera)
(*P. keglii* Steud.)
Mexico and Central America to northern Argentina, native.
Woods: Veracruz, Chiapas and Tabasco.

698. P. ghiesbreghtii Fourn. (# Diffusa)
U. S., West Indies, Cuba and Mexico to northern South America, native.
Brush: throughout Mexico, except for Baja California.

699. P. glutinosum Sw.
Mexico, West Indies to Argentina, native.
Forests: Veracruz and Chiapas.

700. P. gouinii Fourn. (# Virgata)
U. S. and Mexico, native.
Coastal: Veracruz.

701. P. hallii Vasey var. hallii (# Diffusa)
U. S. and Mexico, native.
Clay soils: northern border states (except for Baja Calif.) south to Hidalgo.

701a. P. hallii var. filipes (Scribn.)Waller
U. S. and Mexico, native.
Clay soils: Coahuila, Nuevo Leon and Tamaulipas south to Oaxaca.

702. P. havardii Vasey (# Virgata)
U. S. and Mexico, native.
Sandy soil: Chihuahua.

703. P. hians Ell. (# Laxa)
U. S. and Mexico, south to Panama, native.
Coastal plain: Tamaulipas and Veracruz.

704. P. hintoni Swallen
Mexico, endemic.
Central mountains: Mexico (type loc.).

705. P. hirsutum Sw. (# Diffusa)
West Indies and Mexico south to Brazil, native.
Sandy soil: Colima, San Luis Potosi, Oaxaca, Tabasco and Campeche.

706. P. hirticaule Presl (#Capillaria)
U. S., Cuba and Mexico south to Argentina, native.
Weedy: common throughout Mexico.

707. P. ichnanthoides Fourn.
Mexico and Central America, native.
Dry slopes: Puebla, Veracruz and Chiapas.

708. P. joorii Vasey
U. S. and Mexico, native.
Coastal: Veracruz.

709. P. (Dichanthelium) lanuginosum Ell. var lanuginosum
U. S. and Mexico, native.
Sandy woods: Nuevo Leon

709a. P. lanuginosum var. lindheimeri (Nash)Fern.
U. S. and Mexico, native.
Sandy woods: Coahuila.

710. P. (Dichanthelium)laxiflorum Lam.
U. S. and Mexico, native.
Chiapas (acc. to Gould).

711. P. laxum Sw.
West Indies, Mexico, Central America to Paraguay, native.
Coastal brush: Sinaloa south to Chiapas; San Luis Potosi south to Yucatan.

712. P. lepidulum Hitchc. & Chase (# Diffusa)
Mexico and Guatemala, native.
Weedy: Sonora, Chihuahua and Coahuila south to Chiapas.

713. P. (Dichanthelium) linearifolium Scribn.
U. S. south to Mexico, native.
Grassland: Chiapas (acc. to Gould).

714. P. longum Hitchc. and Chase (# Laxa)
Mexico, endemic.
Brush: Veracruz (type loc.).

715. P. maximum Jacq. (# Maxima)
Introduced.
Cultivated and escaped: common throughout Mexico except for Baja California.

716. P. mertensii Roth
(including P. megiston Schult.)
Mexico and Central America south to Argentina, native.
Swamps: Tabasco.

717. P. molle Sw. (# Fasciculata)
Mexico and West Indies south to Argentina, native.
Coastal plain: Sinaloa south to Chiapas, Veracruz to Yucatan, native.

718. P. (Dichanthelium) nitidum Lam.
(P. multirameum Scribn. & P. subbarbulatum Scribn. & Merr.)
U. S. and Mexico, and various islands of the Carribean, native.
Sandy soils, woods: Veracruz and Chiapas.

719. P. (Dichanthelium) nodatum Hitchc. and Chase
Texas and Tamaulipas, native.
Grassland: Tamaulipas.

720. P. obtusum HBK
U. S. and Mexico, native.
Grasslands: northern border states south to Puebla.

721. P. oligosanthes Schult.
U. S. to northern Mexico, native.
Woodlands: Coahuila and Nuevo Leon.

722. P. olivaceum Hitchc. & Chase
Mexico, Central America and Venezuela.
Pine savanna: Nuevo Leon, Veracruz and Chiapas.

723. P. (Dichanthelium) ovinum Scribn. & Smith.
U. S. and Mexico, native.
Brush and Grassland: Veracruz.

724. P. pampinosum Hitchc. & Chase (# Capillaria)
U. S., Mexico and Guatemala, native.
Weedy: Sonora and Chihuahua, south to Oaxaca.

725. *P. parviglume* Hack. (# Parviglumia)
Mexico, Guatemala, British Honduras and Costa Rica, native.
Pine-oak savanna: Veracruz and Chiapas.

726. *P.* (*Dichanthelium*) *pedicellatum* Vasey
Texas and Mexico, native.
Limestone: Coahuila and Nuevo Leon.

727. *P. pilcomayense* Hack.
Introduced? (S.E. Texas and N.E. Mexico)
Cultivated: Nuevo Leon.

728. *P. pilosum* Sw. (# Laxa)
Mexico and West Indies to Argentina, native.
Swamps: San Luis Potosi, Veracruz, Chiapas, Tabasco and Quintana Roo.

729. *P. plenum* Hitchc. & Chase (# Maxima)
U. S. and Mexico, native.
Grassland: Sonora, Chihuahua, Coahuila, Durango and Veracruz.

730. *P. polygonatum* Schrad. (# Laxa)
Southern Mexico to Paraguay, native.
Stream bottoms: Veracruz and Chiapas.

731. *P.* (*Dichanthelium*) *pseudopubescens* Nash
U. S., Mexico and Guatemala, native.
Oak-savanna: San Luis Potosi.

732. *P. pilchellum* Raddi (# Stolonifera)
Mexico, British Honduras, Martinique to Bolivia and Brazil, native.
Streambottoms: Veracruz and Chiapas.

733. *P. rigidulum* Nees (# Agrostoidea)
(*P. agrostoides* Spreng.)
U. S., West Indies and Mexico, native.
Streambanks: Coahuila.

734. *P. rudgei* R. & S.
(*P. dasytrichum* Spreng.)
Mexico, Jamaica and Trinidad to Bolivia and Brazil, native.
Brush: Tabasco.

735. *P. rugulosum* Trin.
(*P. millegrana* Poir.)
Mexico to Brazil, native.
Swamps: Veracruz, Oaxaca and Chiapas.

736. *P. schaffneri* Hack. (# Parviglumia)
Mexico to Brazil, native.
Streambanks: Veracruz.

737. *P. schmitzii* Hack. (# Parviglumia)
Mexico, endemic.
Brush: San Luis Potosi and Veracruz.

738. *P.* (*Dichanthelium*) *scribnerianum* Ell.
U. S. and Mexico, native.
Brush: Sonora, Chihuahua and Coahuila; also Chiapas.

739. *P. sellowii* Nees
    (*P. lasianthum* Trin. and *P. puberulum* Trin.)
    Mexico and West Indies south to Paraguay and Argentina, native.
    Brush: Veracruz and Chiapas.
740. *P. sonorum* Beal (# Capillaria)
    U. S. and northern Mexico, native.
    Desert brush: Sonora, Chihuahua and Sinaloa; also Chiapas.
741. *P.* (*Dichanthelium*) *sphaerocarpon* Ell.
    U. S. and Mexico south to Venezuela, native.
    Open slopes: northern border states south to Chiapas.
742. *P. stagnatile* Hitchc. and Chase
    Mexico and Central America, native.
    Swamps: Veracruz and Tabasco.
743. *P. stoloniferum* Poir. (# Stolonifera)
    Southern Mexico and Guatemala south to Argentina, native.
    Swamps: Chiapas.
744. *P. stramineum* Hitchc. & Chase (# Capillaria)
    U. S. and Mexico, native.
    Sonora, Sinaloa, Durango, Nuevo Leon, Nayarit, Michoacan and Guerrero.
745. *P. strigosum* Muhl. (# Laxiflora)
    (*P. longipedunculatum* Scribn.)
    Mexico, West Indies, Central America and Colombia, native.
    Brush: Veracruz and Chiapas.
746. *P. succosum* Hitchc. and Chase
    Mexico, endemic.
    Ponds: Jalisco (type loc.) and Mexico.
747. *P.* (*Dichanthelium*) *tennesseense* Ashe
    U. S. and Mexico, native.
    Brush: Nuevo Leon and Veracruz.
748. *P. texanum* Buckl. (# Fasciculata)
    U. S. and Mexico, native.
    Weedy: Nuevo Leon and Tamaulipas.
749. *P. transiens* Swallen
    Mexico and Guatemala, native.
    Mountain mesa: Nuevo Leon and Tamaulipas (type loc.).
750. *P. trichanthum* Nees (# Trichoidea)
    Mexico and West Indies to Paraguay, native.
    Swamps: Colima, San Luis Potosi, Veracruz and Campeche.
751. *P. trichoides* Swartz (# Trichoidea)
    Mexico and West Indies south to Peru and Brazil.
    Coastal plain, thickets: Sonora south to Chiapas; San Luis Potosi south to Yucatan.
752. *P. variifolium* Swallen
    Mexico, endemic.
    Brush: Yucatan (type loc.) and Quintana Roo.

753. P. vaseyanum Scribn. (# Dichotomiflora)
Mexico, endemic.
Brush: Chihuahua, Aguascalientes and Jalisco.
754. P. venosum Swallen
Mexico, endemic.
Ditch: Michoacan (type loc.)
755. P. (Dichanthelium) villosissimum Nash
U. S., Mexico and Central America, native.
Pine savanna: Nuevo Leon and Puebla.
756. P. virgatum L. (# Virgata)
U.S. and Mexico, native.
Grassland: Chihuahua, Coahuila, Jalisco and Chiapas.
757. P. (Dichanthelium) viscidellum Scribn.
(P. reflexopilum Steud.)
Mexico, Central America and Colombia, native.
Pine savanna: Veracruz.
758. P. (Dichanthelium) xalapense HBK
U. S., Cuba, Mexico and Central America, native.
Pine savanna: Hidalgo, Puebla, Veracruz and Chiapas.
759. P. (Dichanthelium) yadkinense Ashe
U. S. and Mexico, native.
Brush: Puebla.

PAPPOPHORUM Schreb. Pappophoreae
Ten species in the Americas.
760. P. bicolor Fourn.
U. S. and Mexico, native.
Grassland: Chihuahua, Coahuila, Nuevo Leon, Tamaulipas, Mexico and Veracruz.
761. P. pappiferum (Lam.)Kuntze
Mexico and South America, native.
Brush: Veracruz and Oaxaca.
762. P. subbulbosum Arech.
Mexico and South America, native.
Brush: Sonora.
763. P. vaginatum Buckl.
(including Mexican references to P. mucronulatum)
U. S. and Mexico , native.
Brush: Sonora, Coahuila, Nuevo Leon, Durango and Zacatecas.

PARAPHOLIS Hubb. Monerneae
Five or 6 species, Old World.
764. P. incurvus (L.)C. E. Hubb.
Introduced.
Sea marshes: Baja Norte.

PASPALIDIUM Stapf Paniceae

Five or 6 species, Old World.

765. P. geminatum (Forsk.)Stapf var. geminatum
Introduced.
Aquatic: scattered localities throughout Mexico.

765a. P. geminatum var. paludivagum (Hitchc. and Chase) Gould
U. S. and Mexico south to Argentina, native.
Swamps: Jalisco and Michoacan.

PASPALUM L. Paniceae

Four hundred species in tropics and subtropics, worldwide.

766. P. acuminatum Raddi
U. S. and Mexico south to Argentina, native.
Aquatic: Michoacan.

767. P. adoperiens (Fourn.)Chase
Mexico and Central America, native.
Aquatic: Veracruz (type loc.) and Chiapas.

768. P. affine Steud.
Mexico and Guatemala, native.
Swamps: Veracruz and Chiapas.

769. P. alcalinum Mez
Mexico to Paraguay and Argentina, native.
Swamps: San Luis Potosi (type loc.)

770. P. arsenei Chase
Mexico, endemic.
Mountain slopes: Jalisco, Michoacan and Puebla (type loc).

771. P. blodgettii Chapm.
U. S., Mexico, West Indies and Central America, native.
Brush: Tamaulipas, Veracruz south to Yucatan Peninsula.

772. P. boscianum Flügge
U. S., Mexico, Central America, Puerto Rico and northern Brazil, native.
Swamps: Chiapas.

773. P. botterii (Fourn.)Chase
Mexico and Central America, native.
Swamps: Sonora south to Colima; Nuevo Leon south to Yucatan.

774. P. caespitosum Flügge
U. S., West Indies, Mexico and Central America, native.
Pine savanna: Veracruz, Chiapas, Tabasco and the Yucatan Peninsula.

775. P. candidum (Humb. & Bonpl.)Kunth
Southern Mexico to Chile, native.
Weedy: Veracruz and Chiapas.

776. P. clavuliferum Wright
(P. pittierii Hack.)
Mexico and Central America to Brazil, native.
Brush: Nayarit, Jalisco, Colima, Oaxaca and Yucatan.

777. P. conjugatum Bergius
U. S. and Mexico to Argentina, native.
Tropical forest margin: Sinaloa south to Chiapas; Nuevo Leon and Tamaulipas south to Quintana Roo.

777a. P. conjugatum var. parviflorum Doell.
Coastal: same distribution as the species.

777b. P. conjugatum var. pubescens Doell.
Mexico to Brazil, native.
Tropical forest margin: San Luis Potosi, Veracruz, Hidalgo, Chiapas and Campeche.

778. P. conspersum Schrad.
Southern Mexico to Argentina, native.
Marshes: Jalisco and Morelos.

779. P. convexum H. & B.
(P. villifolium Steud., P. encylocarpum Nees, P. hemicryptum Wright, P. inops Vasey)
Mexico, Carribean to Brazil, native.
Oak brush: Sonora and Chihuahua south to Chiapas.

780. P. corcovadense Raddi
Mexico, British Honduras, Brazil, native.
Stream bank: Oaxaca.

781. P. costaricense Mez
Mexico and Central America, native.
Pine-oak forests: Chiapas.

782. P. crassum Chase
Mexico, endemic.
Brush: Jalisco, Colima (type loc.), Michoacan and Mexico.

783. P. crinitum Chase
Mexico, endemic.
Brush: Coahuila and Nuevo Leon, San Luis Potosi (type loc.), Jalisco and Puebla.

784. P. culiacanum Vasey
Mexico, endemic.
Mountains: Sinaloa.

785. P. cymbiforme Fourn.
Mexico and Central America, native.
Brush: Mexico (type loc.) and Veracruz.

786. P. dilatatum Poir.
Introduced.
Reported only for the State of Mexico.

787. P. distichum L.
(incl. P. paspaloides Scribn.)
U. S. and West Indies south to Argentina, native.
Ditches: throughout Mexico except for the Yucatan Peninsula.

788. P. erectum Chase
Mexico, endemic.
Colima (type loc.).

789. P. fasciculatum Willd.
Mexico south to Argentina, native.
Swamps: Veracruz, Chiapas, Tabasco and Campeche.

790. P. fimbriatum HBK
Introduced?
Weedy: Yucatan and Quintana Roo.

791. P. guayanarum Beetle
Mexico, endemic.
Ledges: Sinaloa (type loc.).

792. P. hartwegianum Fourn.
Southern Texas and Mexico, native.
Ditches: scattered localities throughout Mexico.

793. P. heterotrichon Trin.
Mexico south to Brazil, native.
Ditches: Chiapas.

794. P. humboldtianum Flügge
Mexico to Panama, western South America to Argentina, native.
Pine forests: throughout Mexico except for the Yucatan Peninsula.

795. P. jaliscanum Chase
Mexico to Guatemala, native.
Pine forests: Nayarit, Jalisco (type loc.), San Luis Potosi, Veracruz and Chiapas.

796. P. langei (Fourn.) Nash
U. S., West Indies and Central America, native.
Brush: lowland areas of Mexico (absent from the central plateau).

797. P. lentiginosum Presl
Mexico and Guatemala, native.
Swamps: Sonora, Sinaloa, Morelos, Colima and Chiapas.

798. P. leptachne Chase
Mexico, endemic.
Brush: Nayarit (type loc.).

799. P. lividum Trin.
U. S. and West Indies south to Argentina, native.
Ditches: scattered localities throughout Mexico except for the Yucatan Peninsula.

800. P. longicuspe Nash
Mexico, endemic.
Swamps: west coast, Nayarit south to Oaxaca (type loc. Jalisco).

801. P. malacophylum Trin.
Mexico south to Argentina, native.
Swamps: San Luis Potosi, Veracruz and Yucatan.

802. P. mayanum Chase
Mexico, endemic.
Swamps: Yucatan (type loc.) and Chiapas.

803. P. millegrana Schrad.
Mexico south to Brazil, native.
Swamps: Chiapas, Tabasco and Yucatan.

804. P. minus Fourn.
Texas, West Indies south to Paraguay, native.
Swamps: Michoacan, Oaxaca, Veracruz, Chiapas and Tabasco.

805. P. multicaule Poir.
Mexico, West Indies to Brazil, native.
Pine woods: Veracruz.

806. P. mutabile Chase
Mexico, endemic.
Brush: Coahuila, Nuevo Leon, Tamaulipas San Luis Potosi and Veracruz.

807. P. nelsoni Chase
Mexico, endemic.
Brush: Chiapas (type loc.).

808. P. notatum Flügge
U. S. (where introduced?), Mexico, West Indies south to Argentina (where native?).
Swamps: southern Nuevo Leon and Tamaulipas to Nayarit and all of southern Mexico.

809. P. orbiculatum Poir.
Mexico and West Indies south to Paraguay, native.
Swamps: Sinaloa, Guerrero, Veracruz, Chiapas and Tabasco.

810. P. palmeri Chase
Mexico, endemic.
Brush: Sonora (type loc.).

811. P. paniculatum L.
(P. hemisphericum Poir., P. strictum Pers., P. cordovense Fourn.).
Mexico and West Indies south to Argentina, native.
Swamps: southern Sinaloa and eastern San Luis Potosi southward through the Yucatan Peninsula.

812. P. paucispicatum Vasey
Mexico, endemic.
Brush: Sonora, Chihuahua and Nuevo Leon south to Oaxaca.

813. P. pectinatum Nees
Mexico to southern Brazil, native.
Pine woods: Sinaloa south to Tabasco.

814. P. plenum Chase
Mexico south to Peru, native.
Swamps: Nayarit, Veracruz (type loc.) and Tabasco.

815. P. pleostachyum Doell.
Haiti, Mexico and Brazil, native.
Swamps: Tamaulipas.

816. *P. plicatulum* Michx.
(*P. undulatum* Poir., *P. lenticulare* HBK, *P. montevidense* Spreng., *P. antillense* Husnot, *P. pauperculum* Fourn.)
U. S. and West Indies south to Argentina, native.
Thickets: Sinaloa south to Chiapas, Nuevo Leon and Tamaulipas south to Tabasco.

817. *P. prostratum* Scribn. & Merr.
Mexico, endemic.
Southern Durango south to Chiapas.

818. *P. pubiflorum* Rupr. var. *pubiflorum*
U. S., Cuba and Mexico, native.
Swamps: northern border states south to Oaxaca and Veracruz.

818a. *P. pubiflorum* var. *glabrum* Vasey
U. S. and Mexico, native.
Oaxaca.

819. *P. repens* Bergius
Southern Mexico to northern Argentina, native.
Aquatic: Oaxaca and Tabasco.

820. *P. rudimentosum* Steud.
Type loc.: Oaxaca, endemic.
Affin *P. affine* Steud.?

821. *P. sanguineolentum* Trin.
(including Mexican refs to *P. erianthum*)
Mexico south to Brazil, native.
Oaxaca, according to Chase.

822. *P. setaceum* Michx. var. *setaceum*
U. S. and Mexico, native.
Tamaulipas, Veracruz and Chiapas.

822a. *P. setaceum* Michx. var. *ciliatifolium* (Michx.)Vasey
(*P. ciliatifolium* Michx., *P. propinquum* Nash, *P. debile* Muhl.)
U. S. and Mexico, native.
Chihuahua and Veracruz.

822b. *P. setaceum* var. *stramineum* (Nash)Banks
U. S. and Mexico, native.
Sonora, Chihuahua and San Luis Potosi.

823. *P. sparsum* Chase
Mexico, endemic.
Brush: Yucatan and Campeche.

824. *P. squamulatum* Fourn.
(including *P. sumichrasti* Fourn.)
Mexico and Central America, native.
Oak woods: Baja Sur and Sinaloa south to Chiapas.

825. *P. stellatum* Humb. & Bonpl.
Southern Mexico to Argentina, native.
Sandy soils, pine woods: Oaxaca and Chiapas.

826. *P. tenellum* Willd.
Mexico south to Brazil, native.
Sonora, Jalisco, Michoacan, Mexico and Morelos.

827. P. tinctum Chase
Mexico and Guatemala, native.
Jalisco, Guanajuato (type loc.), Michoacan and Morelos.

828. P. umbratile Chase
Mexico and Central America, native.
Shady banks: Nuevo Leon, Tamaulipas, Veracruz and Yucatan.

829. P. unispicatum (Scribn. & Merr.)Nash
Mexico, endemic.
Jalisco, Nuevo Leon, Tamaulipas south to Chiapas (type loc.: Oaxaca).

830. P. urvillei Steud.
Introduced.
Nuevo Leon.

831. P. vaginatum Sw.
U. S., West Indies south to Argentina and Chile, native.
Coastal: Baja Sur, Tamaulipas south to Yucatan Peninsula.

832. P. variabile (Fourn.)Nash
Mexico, endemic.
Wood: Nuevo Leon and Tamaulipas south to Veracruz and Oaxaca.

833. P. virgatum L.
U. S. and West Indies south to Argentina, native.
Swamps: Jalisco, San Luis Potosi and Tamaulipas south to Chiapas and Tabasco.

834. P. virletii Fourn.
Mexico, endemic.
Brush: San Luis Potosi (type loc.) and Veracruz.

PENNISETUM L. Paniceae
Eighty species, tropics and subtropics, worldwide.

835. P. bambusiforme (Fourn.) Hemsl.
Mexico and Central America south to Peru, native.
Dry banks: San Luis Potosi, Jalisco, Veracruz (type loc.), Oaxaca and Chiapas.

836. P. clandestinum Host.
Introduced.
Commonly cultivated: Nuevo Leon, San Luis Potosi, Colima, Mexico, Morelos, Tlaxcala, Puebla, Veracruz and Chiapas.

837. P. complanatum (Nees)Hemsl.
(including P. mexicanum (Fourn.)Hemsl.)
Mexico and Central America, native.
Pine-oak forests: Sinaloa, Morelos, Veracruz, Chiapas, Tabasco and the Yucatan Peninsula.

838. P. crinitum (HBK)Spreng.
Mexico, endemic.
Brush: Durango, Jalisco, Guanajuato, Michoacan, Mexico and Guerrero.

839. P. distachyum (Fourn.)Rupr.
(including references to P. tristachyum in Mexico)
Mexico and Central America, native.
Veracruz and Oaxaca.

840. P. durum Beal
(including P. pringlei Leeke)
Mexico, endemic.
Chihuahua and Oaxaca.

841. P. glaucum (L.)R.Br.
(P. typhoideum)
Introduced.
Cultivated: Nuevo Leon and Mexico.

842. P. nervosum (Nees)Trin.
Mexico, Guatemala, Ecuador and Brazil to Argentina, native.
San Luis Potosi, Veracruz and Chiapas.

843. P. purpureum Schum.
Introduced.
Cultivated and escaped: Nuevo Leon south to Chiapas and Tabasco.

844. P. setosum (Sw.)L.Rich.
U. S., West Indies and Mexico south to Bolivia and Brazil, native.
Pine woods: Sinaloa south to Chiapas; Tamaulipas, Veracruz, Mexico.

845. P. villosum R. Br.
Introduced.
Cultivated: Sinaloa, Durango, Nuevo Leon and Mexico.

PENTARRHAPHIS HBK Chlorideae

Two species in Mexico and Central America.

846. P. polymorpha (Fourn.)Griffiths
Mexico, endemic.
Rocky places: Sinaloa and Durango south to Morelos.

847. P. scabra HBK
Mexico, Central America, Colombia , native.
Rocky slopes: Jalsico, Queretaro (type loc.), Oaxaca, Chiapas and Tabasco.

PEREILEMA Presl Eragrosteae

Three species, Mexico, Central America and northern South America.

848. P. beyrichianum (Kunth)Hichc.
Mexico, Central America south to Brazil , native.
Shady banks: Chiapas.

849. P. ciliatum Fourn.
(including var. violaceum Fourn.)
Mexico, endemic.
Shady banks: Sinaloa, Jalisco, Mexico, Morelos, Veracruz (type loc.) and Chiapas.

850. P. crinitum Presl
(including var. cirratum Fourn.)
Mexico and Central America south to Colombia, Ecuador and Brazil, native
Shady banks: Baja Sur, Chihuahua south to Chiapas.

PEYRITSCHIA Fourn. Aveneae
Monotypic.
851. P. koelerioides Fourn.
Mexico, endemic.
Dry slopes: Mexico (type loc.), Morelos, Hidalgo and Oaxaca.

PHALARIS L. Phalarideae
Twenty species, mostly northern hemisphere, subtemperate.
852. P. arundinacea L.
Introduced.
Cultivated: reported in Chihuahua.
853. P. canariensis L.
Introduced.
Cultivated and escaped: scattered localities throughout Mexico.
854. P. caroliniana Walt.
U. S. and northern Mexico, native.
Ditches: Sonora, Chihuahua and Coahuila.
855. P. minor Retz.
Introduced.
Weedy: reported for Baja Norte and Mexico.
856. P. tuberosa L. var. stenoptera (Hack.)Hitchc.
Introduced.
Cultivated: reported only for Chihuahua.

PHARUS L. Olyreae
Eight species in the American tropics.
857. P. glaber HBK
Mexico and West Indies south to northern Argentina, native.
Tropical woods: Chiapas and Tabasco.
858. P. latifolius L.
Mexico to Peru and Brazil, native.
Moist woods: San Luis Potosi and Veracruz.
859. P. parvifolius Nash
Mexico and West Indies to Brazil, native.
Tropical woods: Veracruz.

PHLEUM L. Aveneae
Four species, temperate regions of the world.
860. P. alpinum L.
Circumboreal and high mountains of the southern hemisphere, native.
Mountain grasslands: Nuevo Leon, Mexico and Puebla.

PHRAGMITES Adans. Arundineae

Three species, worldwide.

861. P. australis (Cav.)Trin.
(P. communis Trin.)
Worldwide.
Scattered localities throughout Mexico.

PHYLLOSTACHYS Sieb. Bambuseae

Old World.

862. P. aurea A. & C. Riviere
Introduced.
Commonly cultivated: scattered localities throughout Mexico.

PIPTOCHAETIUM Presl Stipeae

Ten species, Mexico and Central and South America.

863. P. brevicalyx (Fourn.)Ricker
Mexico, endemic.
Pine woods: San Luis Potosi and Hidalgo.

864. P. fimbriatum (HBK)Hitchc.
(Oryzopsis seleri Pilger)
U. S., Mexico and Guatemala, native.
Pine woods: throughout Mexico except Tabasco and the Yucatan Peninsula.

865. P. stipoides (Trin. & Rupr.)Hack.
(including Mexican references to P. ovatum)
Mexico and South America, native.
Pine woods: Nuevo Leon and Tamaulipas.

POA L. Festucea

One hundred fifty species, temperate regions, worldwide.

866. P. albescens Hitchc.
Mexico, endemic.
Mountains: Chihuahua (type locality).

867. P. alpina L.
Circumboreal, native.
Mountain meadows: reported for Mexico by Hitchcock, 1936, and Hulten, 1958.

868. P. annua L.
Introduced.
Weedy: common throughout Mexico except for Tabasco and the Yucatan Peninsula.

869. P. bigelovii Vasey and Scribn.
U. S. and Mexico, native.
Ditches: Baja Norte, Chihuahua, Coahuila and Nuevo Leon.

870. P. bolanderi Vasey
U. S. and Mexico, native.
Ditches: Chihuahua and San Luis Potosi

871. P. conglomerata Rupr.
Mexico, endemic.
Central mountains; Mexico, Puebla and Veracruz (type loc.).

872. P. fendleriana (Steud.)Vasey
U. S. and Mexico, native.
Dry slopes: Baja Norte.
873. P. filiculmis Swallen
Mexico, endemic.
Dry slopes: Coahuila (type loc.).
874. P. griffithsii Hitchc.
Mexico, endemic.
Dry slopes: Sonora (type loc.).
875. P. involuta Hitchc.
U. S. and northern Mexico, native.
Reported for Chihuahua, Coahuila and Zacatecas.
876. P. longiligula Scribn. & Williams
U. S. and Mexico.
Dry slopes: Baja Norte.
877. P. mulleri Swallen
Mexico, endemic.
Mountain meadows: Nuevo Leon (type loc.).
878. P. nervosa (Hook.)Vasey
Canada to northern Mexico, native.
Open woods: Coahuila and Nuevo Leon.
879. P. orcuttiana Vasey
California and Mexico, native.
Dry slopes: Baja Norte.
880. P. orizabensis Hitchc.
Mexico, endemic.
Central mountains: Puebla and Mexico.
881. P. pratensis L.
Introduced.
Cultivated: Coahuila, Nuevo Leon, Mexico and Veracruz.
882. P. ruprechtii Rupr.
Mexico, endemic.
Coahuila, Nuevo Leon, Tamaulipas and Mexico (type loc.).
883. P. scabrella (Thurb.)Benth.
U. S. and Mexico, native.
Dry woods: Baja Norte.
884. P. seleri Pilger
(P. guatemalensis Hitchc.)
Mexico and Guatemala, native.
Mountain: Chiapas.
885. P. sharpii Swallen
Mexico, endemic.
Shady soil: Veracruz.
886. P. strictiramea Hitchc.
Mexico, endemic.
Ledges: Chihuahua (type loc.).
887. P. villaroeli Phil.
Mexico and Chile, native.
Mountains: Mexico and Puebla.

POLYPOGON Desf. Aveneae
Ten species, temperate, worldwide.
888. P. elongatus HBK.
Mexico to Argentina, native.
Ditches: Chihuahua, Coahuila and Nuevo Leon south to Chiapas.
889. P. interruptus HBK.
(including Mexican references to P. littoralis)
Canada south to Argentina, native.
Ditches: Baja Norte, Nuevo Leon and the central mountains.
890. P. maritimus L.
Introduced.
Ditches: Nuevo Leon.
891. P. monspeliensis (L.)Desf.
Introduced.
Ditches: Baja Norte to Coahuila; Puebla.
PRINGLEOCHLOA Scribn. Chlorideae
Monotypic.
892. P. stolonifera (Fourn.)Scribn.
Mexico, endemic.
Known only from Puebla.

PSEUDECHINOLAENA Stapf Paniceae
Monotypic.
893. P. polystachya (HBK)Stapf.
Mexico to Paraguay; tropical Africa.
Weedy: Puebla, Oaxaca, Veracruz, Chiapas and Tabasco.

REEDEROCHLOA Soderstrom and Decker Chlorideae
Monotypic.
894. R. eludens Soderstrom and Decker
Mexico, endemic.
Inland salt flats: Durango (type loc.) and San Luis Potosi.

REIMAROCHLOA Hitchc. Paniceae
Four species in the American tropics.
895. R. oligostachya (Munro)Hitchc.
Florida, Cuba and Mexico, native.
Ditches: Colima and Tabasco.

RHIPIDOCLADUM McClure Bambuseae
Eleven species in the American tropics.
896. R. bittieri (Hackel)McClure
Mexico and Guatemala, native.
Tropical wood margins: Chiapas and Campeche.

RHYNCHELYTRUM Nees Paniceae
About 35 species, mostly African.
897. R. repens (Willd.)C. E. Hubb.
(R. roseum (Nees)Stapf and Hubb.)
Introduced.
Common roadside weed throughout Mexico.

SACCHARUM L. Andropogoneae
About 10 species in the Old World tropics.
898. S. officinarum L.
Introduced.
Cultivated in most lowland areas.

SACCIOLEPIS Nash Paniceae
Thirty species, tropical, worldwide.
899. S. myuros (Lam.)Chase
Mexico and Cuba south to Brazil, native.
Marshes: Jalisco, Veracruz and Oaxaca.

SCHAFFNERELLA Nash Chlorideae
Monotypic.
900. S. gracilis (Benth.)Nash
Mexico, endemic.
San Luis Potosi (type loc.).

SCHISMUS Beauv. Danthoneae
Five old World species, Mediterranean and desert climates.
901. S. barbatus (L.)Thell.
Introduced.
Weedy: Baja Norte.

SCLEROPOGON Phil. Eragrosteae
Monotypic.
902. S. brevifolius Phil.
U. S. south to Chile and Argentina, native.
Dry flats: northern border states south to Puebla.

SECALE L. Hordeae
Five species in temperate Europe and Asia.
903. S. cereale L.
Introduced.
Occasionally cultivated: Nuevo Leon, Mexico.

SETARIA Beauv. Paniceae
One hundred species, both temperate and tropical, worldwide.
904. S. adhaerans (Forssk.)Chiov.
Pantropical, native?
Weedy: Chihuahua, Coahuila and Nuevo Leon.

905. S. (Panicum) chapmani (Vasey)Pilger
U. S., Bahamas and Mexico, native.
Coastal sand: Yucatan.

906. S. geniculata (Lam.)Beauv.
Subtropics, worldwide, native?
Weedy: common throughout Mexico.

907. S. grisebachii Fourn.
(S. yucatana Herrm.)
U. S. and Mexico, native.
Weedy: common throughout Mexico.

908. S. latifolia (Scribn.)Herrm.
Mexico, endemic.
Brush: Durango (type loc.) and Oaxaca.

909. S. leucopila (Scribn. & Merr.)K. Schum.
U. S. and Mexico, native.
Banks: northern border states (type loc.: Coahuila) south to Puebla.

910. S. liebmannii Fourn.
U. S. and Central America, native.
Weedy: Baja Sur and Sonora south to Oaxaca and Veracruz.

911. S. longipila Fourn.
Mexico and Central America , native.
Woods: Nayarit.

912. S. lutescens (Wiegel.)Hubb.
(including some references to S. glauca).
Introduced.
Reported throughout Mexico (except Baja and the Yucatan Peninsula).

913. S. macrosperma (Scribn. & Merr.)Schum.
U. S., Bahamas and northern Mexico, native.
Moist banks: Tamaulipas, Nuevo Leon and Durango.

914. S. macrostachya HBK
U. S. and Mexico, native.
Moist banks: throughout Mexico (except Baja Norte and the Yucatan Peninsula).

915. S. magna Griseb.
U.S., Mexico, Carribean and Costa Rica, native.
Coastal: Yucatan.

916. S. palmeri Henrard
(S. rigida (Scribn. & Merr.)Schum.)
Mexico, endemic.
Desert brush: Baja Sur.

917. S. palmifolia (Koen.)Stapf
Introduced.
Cultivated: Sonora and Baja Sur.

918. S. paniculifera (Steud.)Fourn.
(S. effusa Fourn.)
West Indies and southern Mexico to Colombia, native.
Pine woods: San Luis Potosi, Veracruz, Puebla, Oaxaca, Chiapas and Tabasco.

919. *S. poiretiana* (Schultes)Kunth
Mexico, Brazil, Peru and Bolivia, native.
Moist banks: San Luis Potosi, Puebla, Veracruz, Oaxaca and Chiapas.

920. *S. ramiseta* (Scribn.)Pilger
(*Panicum ramisetum* Scribn.)
U. S. and Mexico, native.
Brush: Tamaulipas, Nuevo Leon and Coahuila.

921. *S. rariflora* Mikan
Mexico and West Indies to Brazil, native.
Tamaulipas.

922. *S. scandens* Schrad.
Mexico and Central America south to Argentina, native.
Wet banks: Mexico, Oaxaca, Veracruz, Chiapas, Campeche and Yucatan.

923. *S. scheelei* (Steud.)Hitchc.
U. S. and Mexico, native.
Chihuahua to Tamaulipas and south to Jalisco, Hidalgo and Veracruz.

924. *S. setosa* (Sw.)Beauv.
Introduced?
Reported only from Nuevo Leon.

925. *S. tenax* (L.Rich.)Desv.
Mexico and West Indies, Central America south to Argentina, native.
Pine woods: Nuevo Leon, San Luis Potosi, Jalisco, south to Yucatan.

925a. *S. tenax* var. *antrorsa* Romingen
Mexico, endemic.
Brush: Yucatan (type loc.) and Veracruz.

926. *S. texana* Emery
Texas and Mexico, native.
Shady banks: Tamaulipas and Nuevo Leon.

927. *S. verticillata* (L.)Beauv.
Introduced.
Reported from Baja Sur, Durango, Coahuila and Puebla.

928. *S. villosissima* (Scribn. & Merr.)K. Schum.
Southwestern U. S. and adj. Mexico, native.
Igneous rocks: Sonora and Coahuila.

929. *S. viridis* (L.)Beauv.
Introduced?
Reported from Sonora, Chihuahua, San Luis Potosi and Veracruz.

930. *S. vulpiseta* (Lam.)R. & S.
Mexico and Caribbean to South America, native.
Reported from San Luis Potosi, Oaxaca, Chiapas, Veracruz and Yucatan.

SETARIOPSIS Scribn. Paniceae

Two species in Mexico and northern South America.

931. S. auriculata (Fourn.) Scribn.
Mexico and Central America, Colombia and Venezuela, native.
Grassy plains: Sonora and Chihuahua south to the Yucatan Peninsula.
932. S. latiglumis (Vasey)Scribn.
Mexico, endemic.
Chihuahua (type loc.) south to Chiapas.

SITANION Raf. Hordeae

Six species in North America.

933. S. jubatum J. G. Smith
U. S. and Mexico, native.
Mesic slopes: Baja Norte.
934. S. longifolium J. G. Smith
U. S. and Mexico, native.
Deserts and mountains: northern border states south to Puebla.

SORGHASTRUM Nash Andropogoneae

Fifteen species, temperate and tropical America and Africa.

935. S. brunneum Swallen
Mexico and Guatemala, native.
Oak woods: Hidalgo, Guerrero and Chiapas.
936. S. galeotii Fourn.
(including Mexican references to S. stipoides)
Mexico, endemic.
Reported only from Veracruz.
937. S. incompletum (Presl)Nash
Mexico to Colombia and Venezuela; tropical Africa, native.
Pine woods: Jalisco south to Chiapas.
938. S. liebmannianum Hitchc.
Mexico, endemic.
Reported only from Veracruz.
939. S. nudipes Nash
Mexico, endemic.
Pine woods: Chihuahua (type loc.) and Sonora.
940. S. nutans (L.)Nash
Canada south to Mexico; South America, native.
Grassy slopes: northern border states south to Oaxaca and Veracruz.
941. S. setosum (Griseb.)Hitchc.
(including Mexican references to S. agrostoides)
(S. francavillanum (Fourn.)Hitchc., S. parviflorum (Desv.)Hitchc. & Chase)

SORGHUM Moench. Andropogoneae

Thirty-five species, mostly African.

942. S. almum Parodi
Introduced.
Cultivated in Chihuahua and Nuevo Leon.

943. S. bicolor (L.)Moench.
(S. vulgare Pers.)
Introduced.
Cultivated throughout Mexico.

944. S. drummondii (Nees)Hackel
Introduced?
Cultivated: Chiapas, Campeche and Yucatan.

945. S. halepense (L.)Pers.
Introduced.
Common weed throughout Mexico.

946. S. trichocladum (Rupr.)Kuntze
Native? Mexico and Central America.
Oak forests: Nayarit and Oaxaca (type loc.).

SPARTINA Chlorideae

About 16 species, mostly American.

947. S. cynosuroides (L.)Roth
U. S. and Mexico, native.
Atlantic coastal marshes: reported only from Tamaulipas.

948. S. foliosa Trin.
U. S. and Mexico, native.
Pacific coastal marshes: Baja Norte and Baja Sur.

949. S. patens (Ait.)Muhl.
(including S. patens var. juncea Hitchc.
U. S., West Indies and Mexico, native.
Atlantic coastal marshes: Tamaulipas, Veracruz, Tabasco, Campeche and Quintana Roo.

950. S. spartinae (Trin.)Munro
U.S., Mexico, Central America south to Argentina, native.
Coastal and inland marshes: Coahuila, Nuevo Leon and Tamaulipas south to the Yucatan Peninsula.

SPHENOPHOLIS Scribn. Aveneae

Five species in North America.

951. S. obtusata (Michx.)Scribn.
(S. obtusata var. major(Torr.)Erdman)
Alaska and Hudson Bay south to Mexico, native.
Moist places: northern border states south to Oaxaca.

SPOROBOLUS R. Br. Eragrosteae

One hundred species in temperate and tropical regions, worldwide.

952. S. airoides (Torr.)Torr. var. airoides.
(S. schaffneri Mez)
U. S. and Mexico, native.

S. airoides (Torr.)Torr. var. airoides (cont'd)
Alkali flats: northern border states south to Durango and San Luis Potosi.

952a. S. airoides var wrightii (Munro)Gould
U. S. and Mexico, native.
Alkali flats: northern border states south as far as Mexico and Hidalgo.

953. S. atrovirens Kunth
Mexico, endemic.
Baja Norte, Durango; Tamaulipas south to the Yucatan Peninsula.

954. S. buckleyi Vasey
U. S. and Mexico; British Honduras, native.
Shady flats: Nuevo Leon and Tamaulipas south to the Yucatan Peninsula.

955. S. contractus Hitchc.
U. S. and Mexico, native.
Gravel slopes: Baja Norte, Sonora, Chihuahua, Coahuila and San Luis Potosi.

956. S. cryptandrus (Torr.)A. Gray
U. S. and Mexico, native.
Sandy soils: northern border states and Baja Sur.

957. S. cubensis Hitchc.
Mexico, West Indies; Central America south to Bolivia, native.
"Southern Mexico" according to Swallen:Grasses of Guatemala.

958. S. domingensis (Trin.)Kunth
Florida, Carribean and Mexico, native.
Beaches: Yucatan and Quintana Roo.

959. S. flexuosus (Thurb.)Rydb.
U. S. and northern Mexico, native.
Mesas: Sonora, Chihuahua and Coahuila.

960. S. giganteus Nash
U. S. and Mexico, native.
Mesas: Chihuahua and Coahuila.

961. S. indicus (L.)R.Br.
(S. poiretii R. & S., S. berteroanus Hitchc.)
Mexico and West Indies to Colombia and Brazil, native.
Sandy pine uplands: throughout Mexico.

962. S. junceus (Michx.)Kunth
U. S. and Mexico, native.
Pine barrens: Veracruz and Chiapas.

963. S. macrospermus Scribn.
Mexico and Guatemala, native.
Pine-oak:forests: Jalisco (type loc.) south to Chiapas.

964. S. mulleri (Fourn.)Hitchc.
(S. erectus Hitchc.)
Mexico, endemic.
Known only from Veracruz.

965. *S. nealleyi* Vasey
U. S. and Mexico, native.
Gypsophilous soils: Coahuila and San Luis Potosi.
966. *S. palmeri* Scribn.
Mexico, endemic.
Alkaline soils: known only from Durango.
967. *S. patens* Swallen
U. S. and Mexico, native.
Known only from Sonora.
968. *S. pulvinatus* Swallen
U. S. and Mexico, native.
Wet gravels: northern border states south to Oaxaca.
969. *S. purpurascens* (Sw.)Hamilt.
U. S., West Indies, Mexico; Central America south to Peru, native.
Salt flats: Revillagigedo Islands, Veracruz and Chiapas.
970. *S. pyramidatus* (Lam.)Hitchc.
(*S. argutus* Kunth)
U. S., West Indies, Mexico; Central America south to Argentina, native.
Salt flats: common throughout Mexico.
971. *S. regis* I.M. Johnston
Mexico, endemic.
Salt flats: known only from Coahuila.
972. *S. spiciformis* Swallen
Mexico, endemic.
Known only from Coahuila.
973. *S. trichodes* Hitchc.
Mexico, endemic.
Chihuahua, Jalisco (type loc.), Michoacan, Mexico and Veracruz.
974. *S. virginicus* (L.)Kunth
Tropical and subtropical coasts, worldwide.
Coastal dunes and flats: Baja California, Sonora; Tamaulipas south to the Yucatan Peninsula.

STENOTAPHRUM Trin. Paniceae
Seven species, tropical and subtropical, worldwide.
975. *S. secundatum* (Walt.)Ktze.
Tropics and subtropics, worldwide, native?
Commonly cultivated throughout Mexico.

STIPA L. Stipeae
One hundred fifty species, temperate, worldwide.
976. *S. acuta* Swallen
Mexico, endemic.
Rocky soils: Carneras Pass, Coahuila.
977. *S. alta* Swallen
Mexico, endemic.
Desert shrub: known only from Coahuila.

978. S. angustifolia Hitchc.
Mexico, endemic.
Mountain grassland: Coahuila (type loc.), Nuevo Leon, Tamaulipas and Puebla.
979. S. bracteata Swallen
Mexico, endemic.
Known only from Baja Norte.
980. S. cernua Stebbins and Love
U. S. and Mexico, native.
Reported only from Baja Norte.
981. S. clandestina Hack.
Mexico, endemic.
Coahuila and Nuevo Leon, San Luis Potosi, Zacatecas, Aquascalientes and Michoacan.
982. S. columbiana Macoun var. nelsoni (Scribn.)Hitchc.
Canada, south to Mexico, native.
Dry plains: reported only from Baja Norte.
983. S. constricta Hitchc.
Mexico, endemic.
Rocky slopes: Hidalgo (type loc.), Veracruz, Mexico and Oaxaca.
984. S. coronata Thurb.
U. S. and Mexico, native.
Rocky slopes: reported only from Baja Norte.
985. S. diegoensis Swallen
U. S. and Mexico, native.
Rocky slopes: reported only from Baja Norte.
986. S. editorum Fourn.
Mexico, endemic.
Rocky slopes: Coahuila, Nuevo Leon and Tamaulipas south to Puebla.
987. S. eminens Cav.
U. S. and Mexico, native.
Rocky slopes: northern border states south to Oaxaca.
988. S. ichu (Ruiz. & Pav.)Kunth
(S. liebmannii Fourn.)
Mexico south to Argentina, native.
Rocky slopes: San Luis Potosi south to Oaxaca.
989. S. leiantha Hitchc.
Mexico, endemic.
Rocky slopes: known only from Puebla.
990. S. lepida Hitchc.
U. S. and Mexico, native.
Rocky slopes: reported only from Baja Norte.
991. S. leucotricha Trin. & Rupr.
U. S. and Mexico, native.
Grassland: Coahuila, Nuevo Leon and Tamaulipas south to Mexico.
992. S. linearifolia Fourn.
Mexico and Guatemala, native.
Central mountains: type from Mexico "prope Tacubaya".

993. S. linearis Swallen
Mexico, endemic.
Rocky slopes: known only from Nuevo Leon.

994. S. lobata Swallen
U. S. and Mexico, native.
Reported only for Coahuila, cf. Hernandez X, 1964.

995. S. mexicana Hitchc.
Mexico, endemic.
Central mountains: Mexico and Hidalgo.

996. S. mucronata HBK
Mexico south to Argentina and Chile, native.
Mountains: Chihua, Coahuila and Nuevo Leon south to Chiapas.

997. S. multinodis Scribn.
Mexico, endemic.
Mountains: Chihuahua, Coahuila and Nuevo Leon south to Puebla.

998. S. neomexicana (Thurb.)Scribn.
U. S. and Mexico, native.
Coahuila, Nuevo Leon and San Luis Potosi.

999. S. parishii Vasey
U. S. and Mexico, native.
Deserts: reported only for Baja Norte.

1000. S. pringlei (Beal)Scribn.
U. S. and Mexico, native.
Rocky slopes: northern border states.

1001. S. pulchra Hitchc.
U. S. and Mexico, native.
Dry slopes: reported only for Baja Norte.

1002. S. robusta (Vasey)Scribn.
(S. vaseyi Scribn.)
U. S. and Mexico, native.
Rocky slopes: Baja Norte, Coahuila and Nuevo Leon.

1003. S. speciosa Trin. & Rupr.
U. S. and Mexico, southern South America, native.
Rocky slopes: reported only from Baja Norte.

1004. S. tenuissima Trin.
Mexico; also Chile and Argentina, native.
Rocky slopes: Coahuila, Nuevo Leon, San Luis Potosi, Veracruz and Puebla.

1005. S. virescens HBK
Mexico and Guatemala, native.
Pine woods: Coahuila, Nuevo Leon south to Chiapas.

1006. S. virletti Fourn.
Mexico, endemic.
Known only from San Luis Potosi.

STIPORYZOPSIS Johnson Stipeae
Two or three species in North America.
1007. *S. bloomeri* (Bol.)Johnson
Introduced.
Cultivated: reported only from Coahuila.

STREPTOCHAETA Schrad. Olyreae
Two species in tropical America.
1008. *S. sodiroana* Hack.
Mexico south to Ecuador, native.
Tropical forest: reported only from Chiapas.
1009. *S. spicata* Schrad.
Mexico south to Brazil, native.
Tropical forest: Veracruz and Chiapas.

STREPTOGYNE Beauv. Streptogyneae
One species in the American tropics.
1010. *S. americana* Hubb.
(including refs. to *S. crinita*)
Mexico and Trinidad south to Brazil, native.
Tropical woods: reported only from Veracruz.

THRASYA HBK Paniceae
Twenty species in the American tropics
1011. *T. campylostachya* (Hack.)Chase
Mexico south to Bolivia, native.
Pine forests: Veracruz, Oaxaca and Chiapas.

TRACHYPOGON Nees Andropogoneae
Fifteen species in American tropics.
1012. *T. angustifolius* (HBK)Nees
Mexico and Central America, native.
Grasslands: San Luis Potosi, Veracruz, Oaxaca, Chiapas, Tabasco and Campeche.
1013. *T. canescens* Nees
Mexico; Nicaragua; South America, native
Grasslands: reported only from Oaxaca.
1014. *T. gouini* Fourn.
Mexico, endemic (introduced in Cuba).
Veracruz (type loc.).
1015. *T. karwinskyi* (Hack.)Nash
Mexico, endemic.
Known only from the type locality: "Mexico".
1016. *T. montufari* (HBK)Nees
Mexico and Ecuador, native.
Zacatecas and San Luis Potosi south to Chiapas.
1017. *T. palmeri* Nash
Mexico, endemic.
Known only from Jalisco.

1018. *T. plumosus* (H.&B.)Nees
(*T. dactyloides* (Steud.)Fourn.; *T. dissoluta* Nees;
T. muelleri Fourn.)
U. S., south to tropical South America, native.
Reported only from Veracruz.
1019. *T. secundus* (Presl)Scribn.
U. S. and Mexico south to Argentina, native.
Baja Norte, Sonora and Chihuahua south to Chiapas and Tabasco.

TRAGUS Hall Zoysieae
Three species in tropics and subtropics, worldwide.
1020. *T. berteronianus* Schult.
Introduced.
Northern border states south to Oaxaca.

TRIDENS R. & S. Eragrosteae
Sixteen North American species.
1021. *T. albescsns* (Vasey)Woot. & Standl.
U. S. and Mexico, native.
Swales: Chihuahua, Coahuila, Nuevo Leon and Tamaulipas.
1022. *T. elongatus* (Buckl.)Nash
U. S. and Mexico, native.
Grassland: reported only from Nuevo Leon.
1023. *T. eragrostoides* (Vasey & Scribn.)Nash
U. S., Cuba and Mexico, native.
Swales: Nuevo Leon, Oaxaca and Yucatan.
1024. *T. flavus* (L.)Hitchc.
U. S. and Mexico, native.
Swales: reported only for Nuevo Leon.
1025. *T. muticus* (Torr.)Nash
U. S. and Mexico, native.
Swales: northern border states south to Durango, Zacatecas and San Luis Potosi.
1026. *T. texanus* (S. Wats.)Nash
U. S. and Mexico, native.
Swales: Coahuila, Nuevo Leon, Tamaulipas and San Luis Potosi.

TRINIOCHLOA Hitchc. Aveneae
Three American species.
1027. *T. laxa* Hitchc.
Ravine: reported only for Chihuahua.
1028. *T. micrantha* (Scribn.)Hitchc.
Mexico, endemic.
Reported only for Mexico and Morelos (type loc.), native.
1029. *T. stipoides* (HBK)Hitchc.
Mexico south to Bolivia, native.
Pine woods: San Luis Potosi south to Chiapas.

TRIPOGON Roth Eragrosteae
Ten species, one in Americas, others African and in the East Indies.
1030. T. spicatus (Nees)Ekman
U.S., Cuba, Mexico and South America, native?
Dry banks: Durango, Aguascalientes, San Luis Potosi and Veracruz.

TRIPSACUM L. Andropogoneae
Nine species in the Americas.
1031. T. dactyloides (L.)L.
U. S., West Indies and Mexico, native.
Grasslands: Coahuila and Nuevo Leon south to Guerrero.
1032. T. lanceolatum Rupr.
(T. acutiflorum Fourn.; T. lemmoni Vasey)
Mexico, Honduras and Panama, native.
Pine woods: common throughout Mexico.
1033. T. laxum Nash
(T. fasciculatum Trin.)
Mexico and Central America, native.
Tropical forest margin: Morelos, Guerrero, Oaxaca.
1034. T. maizar Hernandez X and Randolph
Mexico, endemic.
Reported only for San Luis Potosi.
1035. T. pilosum Scribn. and Merr.
Mexico, endemic.
Forest margin: Chihuahua south to Chiapas.

TRISETUM Pers. Aveneae
Seventy-five species in temperate regions, worldwide.
1036. T. deyeuxioides (HBK)Kunth
Mexico and Central America south to Ecuador, native.
Mountain meadows: Chihuahua and Nuevo Leon south to Chiapas.
1037. T. evolutum (Fourn.)Hitchc.
Mexico, endemic.
Nuevo Leon, San Luis Potosi, Jalisco, Michoacan, Mexico, Guerrero and Veracruz (type loc.).
1038. T. filifolium Scribn.
Mexico, endemic.
Pine, oak woods: Chihuahua (type loc.) and Durango.
1039. T. interruptum Fourn.
(T. californicum Vasey)
U. S. and Mexico, native.
Reported for Baja Norte (type loc. for T. californicum).
1040. T. irazeunse (Kuntze)Hitchc.
(T. fournieranum Hitchc.)
Mexico and Central America south to Ecuador, native.
Pine woods: San Luis Potosi south to Chiapas.

1041. T. palmeri Hitchc.
Mexico, endemic.
Sonora, Coahuila, Sinaloa, Durango (type loc.) and Jalisco.
1042. T. pringlei (Scribn.)Hitchc.
Mexico south to Panama, native.
Meadows: Oaxaca (type loc.) and Chiapas.
1043. T. rosei Scribn. and Merr.
Mexico and Guatemala, native.
Mountains: Hidalgo, Mexico, Puebla and Chiapas.
1044. T. spicatum (L.)Richt.
Arctic-alpine and south in the mountains, native.
Mountains: Coahuila and Nuevo Leon south to Puebla.
1045. T. viride (HBK)Kunth
Mexico, endemic.
Mountains: Queretaro (type loc.), Mexico and Oaxaca.
1046. T. virletii Fourn.
Mexico, endemic.
Mountains: Nuevo Leon, San Luis Potosi (type loc.), Michoacan, Guerrero, Mexico, Morelos, Puebla and Veracruz.

TRISTACHYA Nees Aveneae
Five species in Mexico and South America.
1047. T. angustifolia Hitchc.
Mexico, endemic.
Known only from Nayarit.
1048. T. avenacea (Presl)Scribn. & Merr.
(T. leiostachya Nees)
Mexico and Guatemala, south to Brazil, native.
Forest margin: Jalisco, Michoacan, Mexico, Oaxaca and Chiapas.
1049. T. laxa Scribn. & Merr.
Mexico, endemic.
Durango (type loc.) and Sinaloa.

TRITICUM L. Hordeae
Many cultivated types.
1050. T. aestivum L.
(T. vulgare Vill.)
Introduced.
Commonly cultivated.

UNIOLA L. Centotheceae
Ten species in the Americas (cf. Chasmanthium Link)
1051. U. latifolia Michx.
U. S. and Mexico, native.
Reported only for Nuevo Leon.

1052. U. palmeri Vasey
Mexico, endemic.
Baja California, Sonora (type loc.), Durango and Coahuila.

1053. U. paniculata L.
U. S. and Carribean and Mexico, native.
Coastal dunes: Tamaulipas, Veracruz, Tabasco and Chiapas.

1054. U. pittieri Hack.
Mexico and Central America south to Ecuador, native.
Sea beaches: Baja California, Sonora, Sinaloa, Oaxaca and Chiapas.

VULPIA Gmel. Festuceae
Thirty species, temperate Europe and North and South America.

1055. V. bromoides (L.)Gray
(V. dertonensis (All.)Aschers. & Graebn.)
Introduced.
Weedy: reported from Mexico and Chiapas.

1056. V. myuros var. hirsuta Hack.
(V. megalura (Nutt.)Rydb.)
Introduced?
Weedy: Baja Norte, Sonora and Coahuila.

1057. V. pacifica (Piper)Rydb.
Western North America from Canada to Mexico, native.
Pine woods: Baja Norte and Baja Sur.

YUSHANIA Keng Bambuseae
Both Old World and New World, subtropics.

1058. Y. acuminata (Munro)McClure
Mexico, endemic.
Tropical forest margin: Veracruz.

1059. Y. aztecorum McClure and Smith
Mexico, endemic.
Tropical forest margin: Sinaloa, Nayarit, Jalisco and Colima.

ZEA L. Andropogoneae
One or two American species under cultivation.

1060. Z. mays L.
Subtropical America, native.
Commonly cultivated throughout Mexico.

1061. Z. perennis (Hitchc.)Reeves and Mangels.
Mexico, endemic.
Described from Jalisco.

ZEUGITES P. Br. Eragrosteae

Twelve species in the American tropics.

1062. Z. capillaris (Hitchc.)Swallen
Mexico, endemic.
Tropical forest: Jalisco and Colima (type loc.).

1063. Z. hackelii Swallen
(Z. pittieri Hack. var. pringlei Hack.)
(Z. latifolia pringlei (Hack.)Hitchc.)
Mexico, endemic.
Known from Jalisco (type loc.) and Mexico.

1064. Z. latifolia (Fourn.)Hemsl.
Mexico, endemic.
Tropical forest: Jalisco, Guerrero, Oaxaca (type loc.) and Chiapas.

1065. Z. mexicana (Kunth)Trin.
Mexico south to Bolivia, native.
Tropical forest: San Luis Potosi, Hidalgo, Guerrero, Veracruz and Chiapas.

1066. Z. munroana Hemsl.
(Z. hartwegi Fourn.)
Mexico and Guatemala, native.
Tropical forest: Chiapas.

1067. Z. pringlei Scribn.
Mexico, endemic.
Tropical forest: Jalisco, Michoacan, Guerrero, Mexico and Morelos (type loc.).

1068. Z. sagittata Hartley
Mexico, endemic.
Known only from type loc. at "Acatitlan".

1069. Z. smilacifolia Scribn.
Mexico, endemic.
Pine woods: Mexico and Morelos (type loc.).

ZIZANIOPSIS Doell and Asch. Oryzeae

Three or 4 species in the Americas.

1070. Z. miliacea Doell and Asch.
U. S. and Mexico, native.
Aquatic: reported only from Veracruz (R. Cruz Cisneros 140).